

A black and white photograph of a young woman with long, curly hair, smiling warmly at the camera. She is wearing a light-colored scarf and a denim jacket over a striped shirt. She is holding a large stack of books or notebooks in front of her. The background is a blurred hallway with other people walking, suggesting a school or university environment.

GREYATOM
YOUR **LEARNING** BEGINS HERE



GreyAtom's Data Science Masters Program is an intensive program with a 250+ hours curriculum designed around 6 data projects on real datasets.

This program will help you **learn advanced data science** where you'll be interacting with mentors, doing projects with your peers, and rubbing shoulders with the gurus of this domain.

At GreyAtom we are building a true blended learning experience where core learning happens on our **AI-based learning platform- Glabs** & assisted by "Mentors", "Peers" & "Subject Matter Experts".

"We are here to ensure that your learning experience at GreyAtom is exceptional."

Shweta Doshi

Co-founder & Head of
Academics at GreyAtom

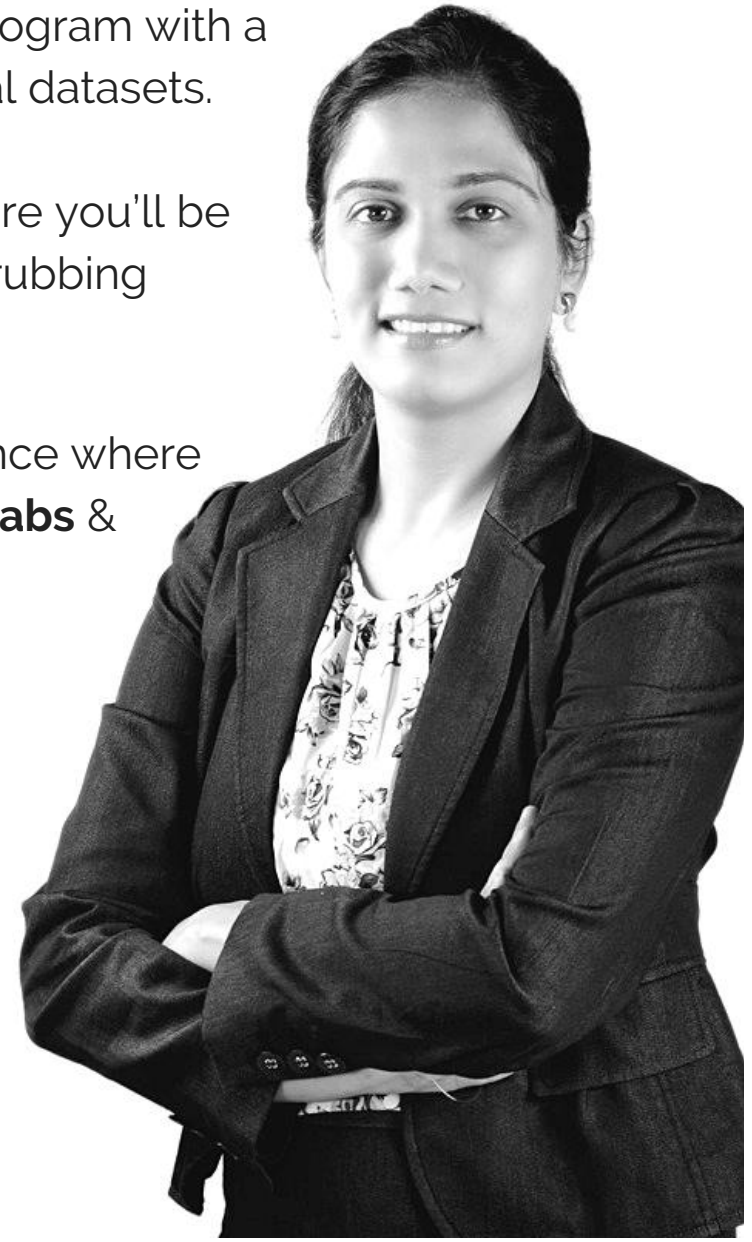


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Partners

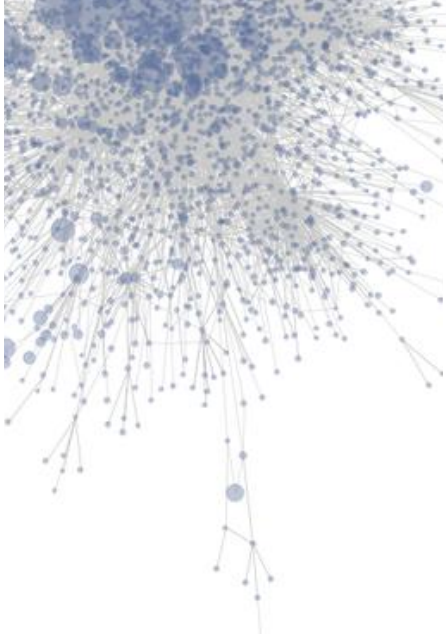
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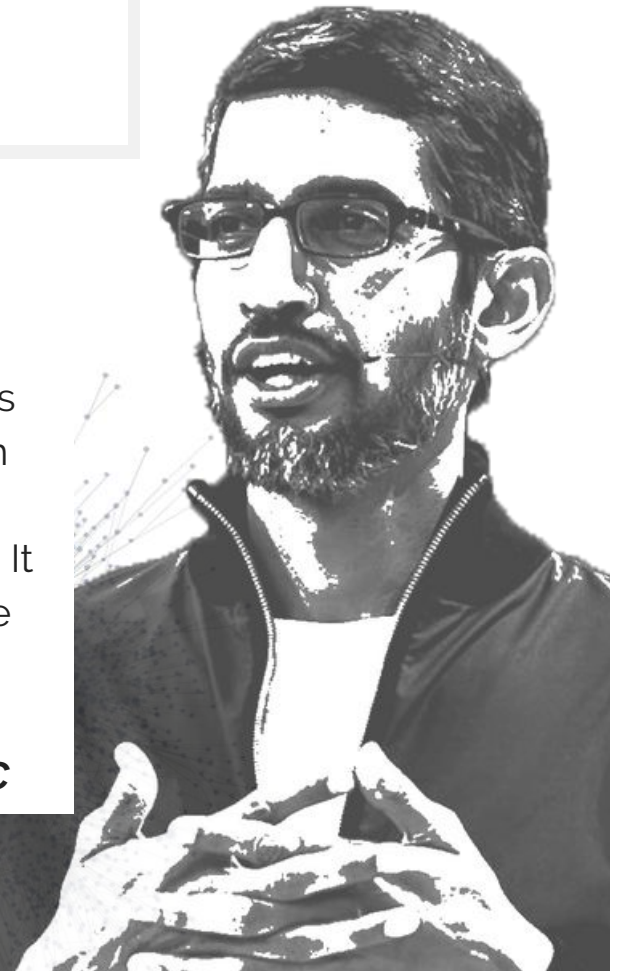
"When I look at the next set of technologies that we have to build in Salesforce, **it's all data-science-based technology.** We don't need more cloud. We don't need more mobile. We don't need more social. **We need more data science.**"

- Marc Benioff , CEO of Salesforce



"We know that 20 to 30 years ago, you educated yourself and that carried you through for the rest of your life. That is not going to be true for the generation which is being born now. They have to learn continuously over their lives. We know that. So we have to transform how we do education. It is important to understand that tomorrow, whether Google is there or not, **artificial intelligence is going to progress. Technology has this nature. It is going to evolve,**"

- Sundar Pichai, CEO of Google LLC



About us.

GreyAtom is an education technology company that conducts Bootcamp style immersive learning program for Applied Sciences - currently, focusing on Data Sciences. At the heart of student learning is GreyAtom's online learning platform that ensures gaining practical knowledge while learning .

The programs will enable a learner to apply problem-solving and creative thinking to real-world data sets, gaining experience across the entire data science stack. You will use your new skills to build projects while learning new technologies on the fly.

Data Science Masters Program: By the end, you will be able to use Python for Data Science, summarize data for analysis, solve problems, implement, and evaluate data science problems by building appropriate machine learning models and algorithms.

- **25+ Guided Projects**
- **300+ Practice Assignments**
- **10,000+ Practice Hours clocked in**
- **43 Empanelled Instructors**

Why GreyAtom?

In-house Adaptive Learning Platform

Our Platform delivers an unparalleled 360-degree view of the curriculum, including Integrations with GitHub, Jupyter, AWS, Medium blogs. Complete content curriculum, and projects and building an online profile with every problem statement and challenges you solve. Leader-boards to test your overall competitiveness and readiness, based on all activities, interactions, challenges, quizzes, and projects, etc. in one repository, accessible from anywhere to make learning a seamless and effective.

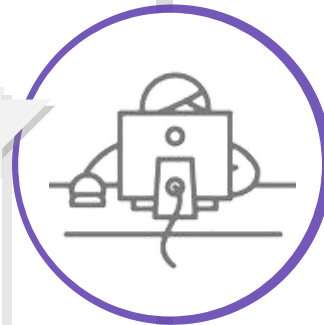


Globally developed and optimized ecosystem

A co-learning ecosystem of Aspirants, Academia and Industry. Access to learning material by experts, videos of industrial panel discussions, and much more under one roof on the go. Learning outcomes optimized to not only meet industry standards but to also give you hands-on learning to showcase demonstrated skills with Peer-to-peer collaboration. Real-time customized feedback on overall competency development.

Self-sourced academic content

Get the most out of the up-to-date curriculum designed by leading in-house academics team and industry professionals having expertise in practicing Data Science using real tools and workflows used by experts. Work on real industry data-sets, problems and live data sets to build and release real products.



Our Ecosystem

Industry Based Curriculum

- Real Datasets > Real Industry Problems > Expedited Learning.
- Hackathons on industry problem statements to build and showcase skills.
- Building models that are relevant to the industry.

Immersive learning

- Access to learning material, videos of panel discussions, and much more.
- Learning outcomes optimized to meet industry standards.
- Peer-to-peer collaboration.
- Hands-on learning.
- Customized feedback and real-time competency development.

Social Profile Engineering

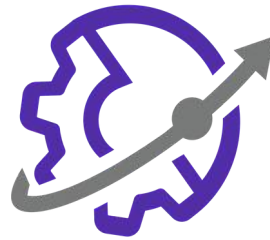
- Integration with GitHub, AWS, Medium Blogs, and more.
- Demonstrate skills and improve your chances of getting hired.
- Improve and optimize your digital footprint.

Qualitative performance assessment

- Competency across various modules.
- Comparing performance to that of industry benchmarks.
- Personalized learning.

Become Industry Ready

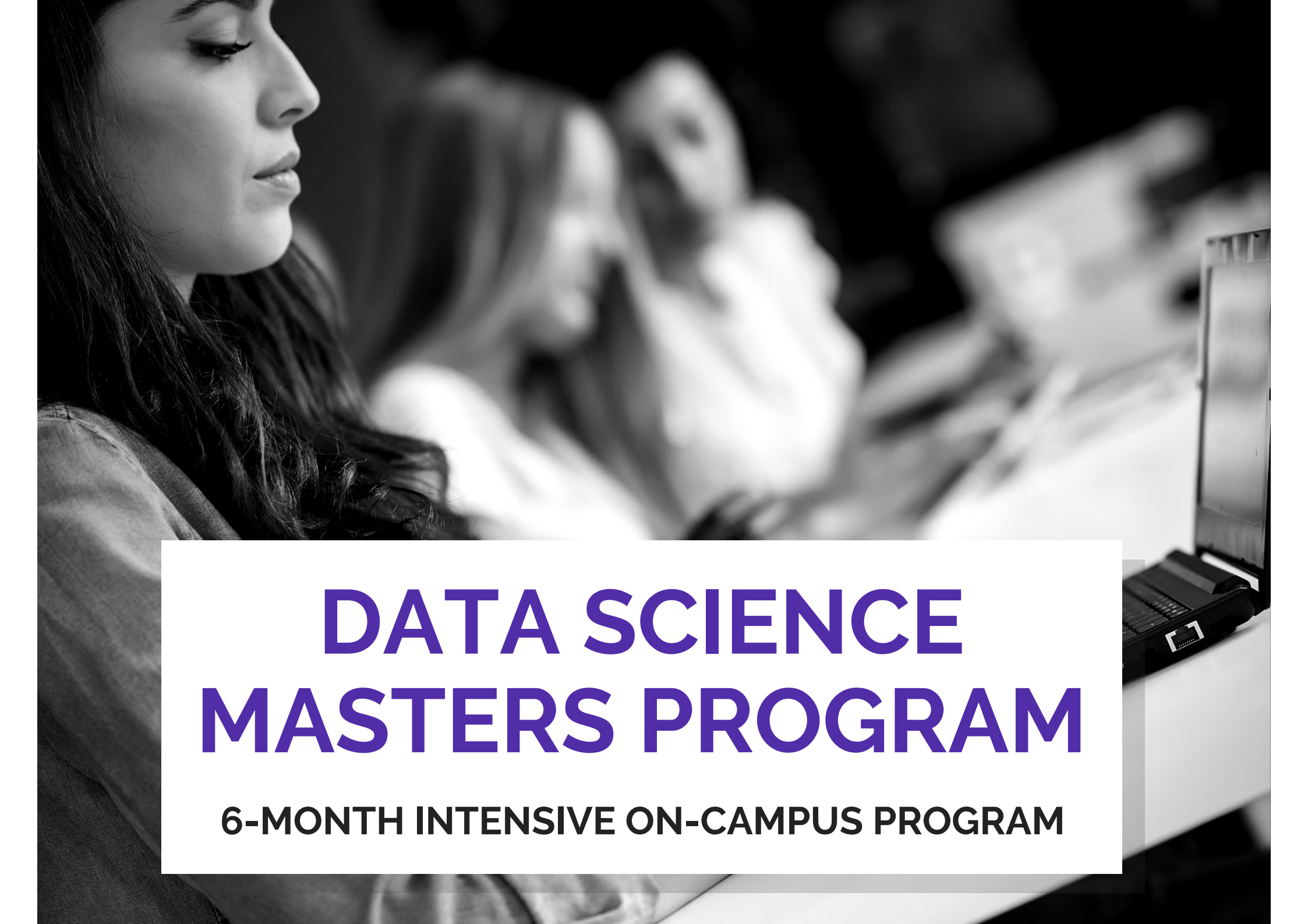
- Ensures implementation of best practices like Test Driven Development and Coding Standard.
- Increased Industry Readiness.
- Real-time profile building.



ON-CAMPUS

6-MONTH INTENSIVE PROGRAM





DATA SCIENCE MASTERS PROGRAM

6-MONTH INTENSIVE ON-CAMPUS PROGRAM



DATA SCIENCE MASTERS PROGRAM

Our Flagship classroom program leverages the power of immersive learning to give you an in-depth understanding of ML, & AI.

6

MONTHS

40

**LEARNERS
PER BATCH**

150

**INSTRUCTOR
HOURS**

8

**PROJECTS &
HACKATHONS**

300+

**DIY
ASSIGNMENTS**



Puneet Jain

Data Scientist
at Collinson Group



Arunabh Majumdar

Lead Data Scientist
at Scalpel Ltd.



Manas Ranjan Kar

Associate Vice President
- Data Science & NLP at
Episource LLC



Parag Pansare

AWS Cloud Architect at
Accenture



Hardik Udeshi

Senior Data Scientist at
Vistaar Technologies

Mentors

From the industry

**** Mentors will be assigned based on their availability**



1. PYTHON DATA SCIENCE TOOLKIT

2. FOUNDATIONS OF ML

3. SUPERVISED ML

**4. MORE SUPERVISED,
UNSUPERVISED ML TECHNIQUES**

5. TEXT ANALYTICS

6. CAREER SERVICES

7. DEPLOYMENT OF ML MODEL

8. CAPSTONE

DSMP

At a glance

01

PYTHON DATA SCIENCE TOOLKIT

1. Getting Started with Python
2. Handling Program Flow in Python
3. Manipulating Data using NumPy
4. Data Wrangling with Pandas
5. Data Visualization with Matplotlib
6. **Guided Hackathon**
7. **Project #01**

02

FOUNDATIONS OF MACHINE LEARNING

1. Git, Prod code, Summarizing Stats
2. Introduction to Probability
3. Making inference from Data
4. Hands on Linear Algebra
5. Make your first prediction with Linear Regression
6. Regularization
7. **Project #02**

03

SUPERVISED MACHINE LEARNING

1. EDA and Data Pre-processing
2. Machine Learning: Logistics Regression
3. Improving your model with Feature Selection
4. Decision Tree
5. **Project #03**

04

SUPERVISED & UNSUPERVISED ML

1. Machine Learning: Ensembling and Random Forest,
2. Gradient Boosting Machines
3. ML: Clustering/ k-means
4. Challenges in ML
5. Support Vector Machines
6. **Hackathon #01**

05

TEXT ANALYTICS

1. Foundations of Text Analytics
2. Topic Modelling on Text
3. Sentiment Analysis using NLP
4. **Hackathon #02**

06

CAREER SERVICES

1. Mock Interviews
2. Post Program 100% Placement Assistance
3. Hiring Network Access + Hiring Challenges
4. Resume Preparation
5. LinkedIn Presence Building
6. Interview Questions Access
7. Videos on Career Building

07

DEPLOYMENT OF ML MODEL

1. Deployment # 01
2. Deployment # 02

08

CAPSTONE

1. Capstone Project

01.

PYTHON DATA SCIENCE TOOLKIT

If **Data Science** is a skill, the language through which it is picked up is **Python**. Python is a very beginner-friendly and versatile language with great community support. Companies all over the world use python to develop data science solutions that make a business impact. And shortly, it will be your turn, once you become a data scientist! In this module, you'll learn python in an elaborate manner by performing tasks while learning the concept by solving real industry problems

- Getting Started with Python
- Handling Program Flow in Python
- Manipulating Data using NumPy
- Data Wrangling with Pandas
- Data Visualization with Matplotlib
- **Guided Hackathon**
- **Project # 1 - Analyse performance of different countries in Olympics from Wikipedia**

Project Outcomes

Learn to manipulate large data sets. You will be analysing performance of different countries in Olympics from Wikipedia to get insightful information and present visualizations using Python.

This will help you build a strong foundation on statistical concepts and perform analysis with real world data sets using Python and its associated libraries.

**** Topics of the projects are subject to change depending on the then available industry data sets**

02.

FOUNDATIONAL MACHINE LEARNING

Every great building needs a solid foundation. While working towards a career in Data Science, it is a no-brainer that a strong foundation is needed. In this module, we will brush up the mathematical building blocks - probability, statistics, linear algebra as well as get introduced to the first ML algorithm - Linear Regression. The math is onboarded in a gentle manner with intuition taking the front seat over jargon.

- Git, Prod code, Summarizing Stats
- Introduction to Probability
- Making inference from Data
- Hands on Linear Algebra
- Make your first prediction with Linear Regression
- Regularization
- **Project #2 - Predict the deposit amount next year for the clients of a bank.**

Projects & Learning Outcomes

You will be dealing with a retail bank dataset and predict the amount of deposit a customer will make in this year.

**** Topics of the projects are subject to change depending on the then available industry data sets**

03.

SUPERVISED TECHNIQUES

After the successful completion of this module, one is expected to be proficient in various predictive models and handling dirty data. With this module, you will become proficient in taking an unclean and real dataset and transform it into a clean dataset on which any predictive model could be applied to derive insights.

- EDA and Data Pre-processing
- Machine Learning: Logistics Regression
- Improving your model with Feature Selection
- Decision Tree
- **Project #3 : Predict the right fit for clothing based on customer data for an online fashion retailer.**

Projects & Learning Outcomes

You are provided with a dataset of an online fashion retailer, use the data to predict the right fit of clothing for the customer.

**** Topics of the projects are subject to change depending on the then available industry data sets**

04.

MORE SUPERVISED, UNSUPERVISED ML TECHNIQUES

Boost your machine learning arsenal with more tools with advanced techniques like random forests and gradient boosting. Learn how to derive insights from even unlabelled data using unsupervised learning methods. These will take your machine learning mastery to the next level.

- Machine Learning: Ensembling and Random
- Forest,
- Gradient Boosting Machines
- ML: Clustering/ k-means
- Challenges in ML
- Support Vector Machines
- **Hackathon #01**
- **Project #4: Segment customers based on purchase history.**

Projects & Learning Outcomes

In this project, you will segment the customers into various buckets based on invoice data. Such analysis has huge impact for retail industry.

**** Topics of the projects are subject to change depending on the then available industry data sets**

05.

WORKING WITH TEXT DATA

Test the waters of Text analytics with a deep dive into advanced techniques like topic modelling and sentiment analysis. At the end of this module, you will be able to apply any machine learning model on text data.

- Foundations of Text Analytics
- Topic Modelling on Text
- Sentiment Analysis using NLP
- **Hackathon #02**
- **Project - Haptik - Classify a customer chat to guide him/her to the right business vertical.**

Projects & Learning Outcomes

In this project, you would get access to **Haptik's** user chat conversations. You need to classify it into the right business vertical and assist the user with the requested services

**** Topics of the projects are subject to change depending on the then available industry data sets**

CAREER SERVICES

Get started on your career development. Career development is a journey, and we offer one-on-one assistance to help you plan and achieve career success.

GreyAtom Career Services is not just a placement assistance service, we will help you throughout your GreyAtom journey to make your learning experience more enriching. With GA Career Services, we want to enable you to build your personal brand with the aids and resources that we send.

You can reach out to us at - careerservices@greyatom.com

Career Guidelines

- Mock Interviews
- Post Program 100% Placement Assistance
- Hiring Network Access + Hiring Challenges
- Resume Preparation
- LinkedIn Presence Building
- Interview Questions Access
- Videos on Career Building

**** Topics of the projects are subject to change depending on the then available industry data sets**

07.

DEPLOYMENT OF MACHINE LEARNING MODEL

Real world machine learning applications typically consist of many components in a data processing pipeline. We describe a framework for constructing these ML Pipelines. This framework can help us construct end-to-end workflows with a toolbox of off-the-shelf components which we have developed for text, image classification and a high-performance linear algebra library that we use for training models. This framework thus, helps us obtain state-of-the-art results in many machine learning tasks.

Pillars of Machine learning deployment

Ways to deploy Machine learning

Modules.

Deploy a docker API in cloud



Projects & Learning Outcomes

Deploy the data science models built in real time. Create your own data science products.

Identify real world big data usecases and problems. Understand how distributed systems and parallel computing technologies are solving these challenges.

**** Topics of the projects are subject to change depending on the then available industry data sets**

08.

CAPSTONE PROJECT

A capstone project will allow the learners to create a usable/public data product and be used to test your data science learnt so far and showcase the same to potential employers. Projects are drawn from actual business use cases faced by companies.

Choose your Capstone from multiple business problems with real impact



Projects & Learning Outcomes

Our industry partner provides access to real data for you, which can then be mined for actionable insights in a time-bound industrial setting.

**** Topics of the projects are subject to change depending on the then available industry data sets**

A black and white photograph of a person sitting on a concrete floor, viewed from the side. They are wearing a dark and light horizontally striped long-sleeved shirt, dark trousers, and dark sneakers with white laces and white soles. A silver laptop is open on their lap. The background is a plain, light-colored wall.

ONLINE

3-MONTH SPECIALIZATION

A black and white photograph of a man with dark, wavy hair and glasses, smiling at the camera. He is in an office environment with a desk, a laptop, and a potted plant visible in the background. A white rectangular box is overlaid on the lower half of the image, containing the program title in purple text.

DATA SCIENCE MASTERS PROGRAM ONLINE

6-MONTH ONLINE



DATA SCIENCE MASTERS PROGRAM - ONLINE

Our Flagship classroom program leverages the power of immersive learning to give you an in-depth understanding of ML, & AI.

6

MONTHS

10

**LEARNERS PER
GROUP**

26

**MENTOR-LED
SESSIONS**

6

**PROJECTS &
HACKATHONS**

300+

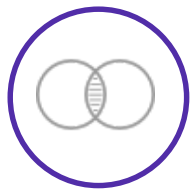
**DIY
ASSIGNMENTS**



Learning with a tribe



You will be learning with a small group of 8 equally motivated learners like you. We strike the right balance between large group instructions and give people smaller chambers of interaction for on-boarding applied sciences. Each group will be assigned a Data Science mentor. Plus, you also get exclusive solo sessions with the mentor.



How do interventions work?

You will meet your mentor once a week to review your progress and resolve any queries you may have during you are learning.

Types of interventions

Career related intervention

- Mock Interviews
- Industry use cases and applications

Concept on-boarding intervention

- Code-along sessions
- Ask me anything sessions
- Guidance on how to learn a particular concept, query resolution

Mentored hackathons & Capstone projects



1. PYTHON DATA SCIENCE TOOLKIT

2. FOUNDATIONAL ML

3. SUPERVISED TECHNIQUES

**4. MORE SUPERVISED,
UNSUPERVISED ML TECHNIQUES**

5. WORKING WITH TEXT DATA

6. CAPSTONE PROJECT

DSM-R

At a glance

Week 1 - 3

01

PYTHON DATA SCIENCE TOOLKIT

1. Getting Started with Python
2. Handling Program Flow in Python
3. Manipulating Data using NumPy
4. Data Wrangling with Pandas
5. Data Visualization with Matplotlib
6. Solo Project # 01

Week 14- 16

04

SUPERVISED & UNSUPERVISED ML

1. Machine Learning: Ensembling and Random Forest,
2. Gradient Boosting Machines
3. ML: Clustering/ k-means
4. Challenges in ML
5. Support Vector Machines
6. Hackathon #01

Week 4- 9

02

FOUNDATIONS OF MACHINE LEARNING

1. Summarizing Data with Statistics
2. Introduction to Probability
3. Making inference from Data
4. Hands on Linear Algebra
5. Make your first prediction with Linear Regression
6. Regularization
7. Solo Project #02

Week 17- 20

05

TEXT ANALYTICS

1. Foundations of Text Analytics
2. Topic Modelling on Text
3. Sentiment Analysis using NLP
4. Solo Project # 04

Week 10 - 14

03

SUPERVISED MACHINE LEARNING

1. EDA and Data Pre-processing
2. Machine Learning: Logistics Regression
3. Improving your model with Feature Selection
4. Decision Tree
5. Solo Project #03

Week 21- 24

06

CAPSTONE PROJECT

1. Capstone #1
2. Capstone #2

01.

PYTHON DATA SCIENCE TOOLKIT

If **Data Science** is a skill, the language through which it is picked up is **Python**. Python is a very beginner-friendly and versatile language with great community support. Companies all over the world use python to develop data science solutions that make a business impact. And shortly, it will be your turn, once you become a data scientist! In this module, you'll learn python in an elaborate manner by performing tasks while learning the concept by solving real industry problems

- Getting started with Python
- Handling program flow in Python
- Manipulating data using NumPy
- Data wrangling with Pandas
- Data Visualization with Matplotlib
- **Solo Project # 01 - Analyse performance of different countries in Olympics from Wikipedia**



Project Outcomes

Learn to manipulate large data sets. You will be analysing performance of different countries in Olympics from Wikipedia to get insightful information and present visualizations using Python.

This will help you build a strong foundation on statistical concepts and perform analysis with real world data sets using Python and its associated libraries.

**** Topics of the projects are subject to change depending on the then available industry data sets**

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FOUNDATIONAL MACHINE LEARNING

Every great building needs a solid foundation. While working towards a career in Data Science, it is a no-brainer that a strong foundation is needed. In this module, we will brush up the mathematical building blocks - probability, statistics, linear algebra as well as get introduced to the first ML algorithm - Linear Regression. The math is onboarded in a gentle manner with intuition taking the front seat over jargon.

- Summarizing Data with Statistics
- Introduction to Probability
- Making inference from Data
- Hands on Linear Algebra
- Make your first prediction with Linear Regression
- Regularization
- **Solo Project #2 - Predict the deposit amount next year for the clients of a bank.**

Projects & Learning Outcomes

You will be dealing with a retail bank dataset and predict the amount of deposit a customer will make in this year.

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03.

SUPERVISED TECHNIQUES

After the successful completion of this module, one is expected to be proficient in various predictive models and handling dirty data. With this module, you will become proficient in taking an unclean and real dataset and transform it into a clean dataset on which any predictive model could be applied to derive insights.

- EDA and Data Pre-processing
- Machine Learning: Logistic Regression
- Improving your model with Feature Selection
- Decision Tree
- **Solo Project #3 : Predict the right fit for clothing based on customer data for an online fashion retailer.**

Projects & Learning Outcomes

You are provided with a dataset of an online fashion retailer, use the data to predict the right fit of clothing for the customer.

**** Topics of the projects are subject to change depending on the then available industry data sets**

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MORE SUPERVISED, UNSUPERVISED ML TECHNIQUES

Boost your machine learning arsenal with more tools with advanced techniques like random forests and gradient boosting. Learn how to derive insights from even unlabelled data using unsupervised learning methods. These will take your machine learning mastery to the next level.

- Ensembling and Random Forest,
- Machine Learning: Clustering/ k-means
- Gradient Boosting Machines
- Clustering/ k-means
- Challenges in Machine Learning
- Support Vector Machines
- **Hackathon # 1**

Hackathon

After playing with dummy data sets during the program, you will be working on real data sets from the industry in this hackathon. Your skills will be tested based on the solution you provide to the business problem.

**** Topics of the projects are subject to change depending on the then available industry data sets**

05.

WORKING WITH TEXT DATA

Test the waters of Text analytics with a deep dive into advanced techniques like topic modelling and sentiment analysis. At the end of this module, you will be able to apply any machine learning model on text data.

- Foundations of Text Analytics
- Topic Modelling on Text
- Sentiment Analysis using NLP
- **Project #4 - Haptik - Classify a customer chat to guide him/her to the right business vertical.**



Projects & Learning Outcomes

In this project, you would get access to **Haptik's** user chat conversations. You need to classify it into the right business vertical and assist the user with the requested services

**** Topics of the projects are subject to change depending on the then available industry data sets**

06.

CAPSTONE PROJECT

A capstone project will allow the learners to create a usable/public data product and be used to test your data science learnt so far and showcase the same to potential employers. Projects are drawn from actual business use cases faced by companies.

Choose your Capstone from multiple business problems with real impact



Projects & Learning Outcomes

Our industry partner provides access to real data for you, which can then be mined for actionable insights in a time-bound industrial setting.

**** Topics of the projects are subject to change depending on the then available industry data sets**

A black and white photograph of two men in business suits sitting at a desk. The man on the left is looking down at a laptop, while the man on the right, wearing glasses, looks on. A cup of coffee is on the desk to the right. The background shows a window with a grid pattern.

**DATA SCIENCE
MASTERS PROGRAM WITH
DEEP LEARNING &
COMPUTER VISION
6-MONTH CLASSROOM &
3-MONTH ONLINE**



DATA SCIENCE MASTERS - DL & CV

Our Flagship hybrid program leverages you learn data science in a 6-month classroom setting and specialize in Computer Vision in a 3-month online using GLabs.

6 + 3

CLASSROOM ONLINE
MONTHS

8

GUIDED
PROJECTS

168

MENTOR-
LED HOURS

2

MENTORED
HACKATHONS

350+

ASSIGNMENTS



1. CV BASICS

2. DEEP LEARNING BASICS

3. DEEP LEARNING FOR CV

CV

At a glance

Week 1 - 2

01

CV BASICS

1. Introduction to CV, Hands-on OpenCV
2. Image classification using supervised learning

Week 3 - 6

02

DEEP LEARNING BASICS

1. Intro to Deep Learning, Multi-Layer Perceptron (MLP) with Churn Modelling
2. Deep Artificial Neural Network architecture
3. Optimizing Deep Neural Networks
- 4. Industry Partner Project**

Week 7 - 14

03

DEEP LEARNING FOR CV

1. Convolutional Neural Networks Foundations
2. Segmentation and Object Detection in CNN
3. Recurrent Neural Networks
4. Style Transfer
5. Generative Models
- 6. Capstone - Industry Partner Project**
- 7. Capstone - Industry Partner Project**

01.

COMPUTER VISION BASICS

In this module, you will be introduced to basic building blocks of Computer Vision. With this module, you will learn to solve use cases like image classification and face detection.

1. Introduction to CV, Hands-on OpenCV
2. Image classification using supervised learning



Project Outcomes & Learning Benefits

- Work with image data
- Pick up deep learning
- Analyze images to generate insights
- Solve Computer Vision use cases with Deep Learning

**** Topics of the projects are subject to change depending on the then available industry data sets**

02.

DEEP LEARNING BASICS

In this module, you will learn the nuts and bolts of deep learning. These are important skills that will be used later for solving various vision use cases.

1. Intro to Deep Learning, **Multi-Layer** Perceptron (MLP) with Churn Modelling
2. Deep Artificial Neural Network architecture
3. Optimizing Deep Neural Networks
- 4. Industry Partner Project**

Projects & Learning Outcomes

- Work with image data
- Pick up deep learning
- Analyze images to generate insights
- Solve Computer Vision use cases with Deep Learning

**** Topics of the projects are subject to change depending on the then available industry data sets**

03.

DEEP LEARNING FOR CV

In this module, you will be introduced to different use cases of Computer Vision like object detection, style transfer, image generation and so on. You will solve the use cases using the state of the art deep learning methods

1. Convolutional Neural Networks Foundations
2. Segmentation and Object Detection in CNN
3. Recurrent Neural Networks
4. Style Transfer
5. Generative Models
- 6. Capstone - Industry Partner Project**
- 7. Capstone - Industry Partner Project**

Projects & Learning Outcomes

Our industry partner provides access to real data for you, which can then be mined for actionable insights in a time-bound industrial setting.

**** Topics of the projects are subject to change depending on the then available industry data sets**

DATA SCIENCE MASTERS PROGRAM WITH
DEEP LEARNING &
NATURAL LANGUAGE
PROCESSING

6-MONTH CLASSROOM & 3-MONTH ONLINE



DATA SCIENCE MASTERS - NLP

Our Flagship hybrid program leverages you learn data science in a 6-month classroom setting and specialize in Natural Language Processing in a 3-month online using GLabs.

6 + 3

CLASSROOM ONLINE
MONTHS

8

GUIDED
PROJECTS

170

MENTOR-
LED HOURS

2

MENTORED
HACKATHONS

300+

ASSIGNMENTS



1. NLP BASICS

2. DEEP LEARNING BASICS

3. DEEP LEARNING FOR NLP

NLP

At a glance

Week 1 - 3

01

NLP BASICS

1. Language Models and Information Theory, Parsing
2. Word embeddings
- 3. Industry Partner Project**

Week 4 - 6

02

DEEP LEARNING BASICS

1. Intro to Deep Learning, Multi-Layer Perceptron (MLP)
2. Deep Artificial Neural Network architecture
3. Making inference from Data
4. Optimizing Deep Neural Networks

Week 7 - 14

03

DEEP LEARNING FOR NLP

1. Information Extraction and Named Entity Recognition
2. Machine Translation and Alignment Models
3. Document Summarization
- 4. Noisy Text Analytics - Project**
5. Conversational AI (NLG)
- 6. Industry Partner Project**
- 7. Industry Partner Project**

01.

NATURAL LANGUAGE PROCESSING BASICS

The NLP with Deep Learning Specialization will build upon your Data Science knowledge and turns you into a hands-on NLP practitioner with deep learning skills.

1. Language Models and Information Theory, Parsing
2. Word embeddings
- 3. Industry Partner Project**



Project Outcomes & Learning Benefits

- Work with text data
- Pick up deep learning
- Analyze text data to generate insights
- Solve NLP use cases with Deep Learning

**** Topics of the projects are subject to change depending on the then available industry data sets**

02.

DEEP LEARNING BASICS

In this module, you will learn the nuts and bolts of deep learning. These are important skills that will be used later for solving various NLP use cases.

1. Intro to Deep Learning, Multi-Layer Perceptron (MLP)
2. Deep Artificial Neural Network architecture
3. Making inference from Data
4. Optimizing Deep Neural Networks

Projects & Learning Outcomes

- Work with text data
- Pick up deep learning
- Analyze text data to generate insights
- Solve NLP use cases with Deep Learning

**** Topics of the projects are subject to change depending on the then available industry data sets**

03.

DEEP LEARNING FOR NLP

In this module, you will be introduced to different use cases of NLP like document summarization, machine translation and so on. You will solve the use cases using traditional techniques as well as state of the art deep learning methods

1. Information Extraction and Named Entity Recognition
2. Machine Translation and Alignment Models
3. Document Summarization
4. Noisy Text Analytics - Project
5. Conversational AI (NLG)
- 6. Industry Partner Project**
- 7. Industry Partner Project**

Projects & Learning Outcomes

- Work with text data
- Pick up deep learning
- Analyze text data to generate insights
- Solve NLP use cases with Deep Learning

**** Topics of the projects are subject to change depending on the then available industry data sets**

“Testimonials

Don't just take our word for it.



Manish Nemanna Kembral
Vice-President at HDFC



The instructors were amazing and the active involvement of founders was helpful. What I loved the most were guest speaker sessions. We got a great insight to what the industry needs which helped us learn the correct skills.



Nitika Goel
Data Scientist at Flexiloans



Love their program. Awesome learning platform and very helpful interview prep.



Vishnu Kamath
System Engineer at Infosys



Wonderful Experience!!! Data Science can be mastered only by working on real-life data sets which Greyatom provides in its curriculum. Highly recommend to all the data science enthusiasts out there.



Darshin Doshi
Programmer at Cognizant



GreyAtom has a unique and effective approach where the faculty breakdowns complicated concepts to easier milestones with practical executions that leave no room for not understanding concepts theoretically and practically. The curriculum is so comprehensive and industry-focused with real workflows and tools that will make you fall in love with learning and Data Science. I would recommend it to everyone who wants to learn Data Science.



Bhavesh Bhatt
Data Scientist at Flexiloans



Multiple capstone projects at GreyAtom have helped me develop my skills on Big Data and all other elements of Data Science.



Students Placement Stories



Nikhil Akki

May, 2017 Batch
Data Science Masters Program

Pre Greyatom

Assistant Professor
Business Statistics



Post Greyatom

Data Scientist
Deloitte.



Nitika Goel

May, 2017 Batch
Data Science Masters Program

Pre Greyatom

IT Service Desk Engineer
 Cognizant

Post Greyatom

Data Scientist
 FLEXILOANS



Chirag Pujari

December, 2017 Batch
Data Science Masters Program

Pre Greyatom

Data Analyst
 Course5

Post Greyatom

Data Scientist
 nielsen



Sagar Dawda

November, 2017 Batch
Data Science Masters Program

Pre Greyatom

Pre-Sales Manager
 S

Post Greyatom

Data Scientist
 epi
EPISOURCE



Darshin Doshi

July, 2017 Batch
Data Science Masters Program

Pre Greyatom

Programmer
 Cognizant

Post Greyatom

Data Scientist
 epi
EPISOURCE



“Industry partners

Deloitte.

 **BARCLAYS**

nielsen
.....

 **BNP PARIBAS**

YES BANK


Mahindra

bharti AXA
general insurance

ePi
EPISOURCE

 **haptik**


TATA TECHNOLOGIES

fractal 

CleverTap

Community partner

Our community partner DataGiri is the largest data science community in Mumbai. It is widely spread across the globe covering chapters in India, London, US and Australia. DataGiri is 100,000+ members strong global community covering a broad range of enthusiastic aspirants to accomplished industry practitioners. This helps us to keep ourselves updated with the latest trends in Data Science. We educate by curating and sharing the collective wisdom of our community at our events and through multi-media projects. We collaborate with both the data science community and the broader community and provide expert advice to new companies, projects, and non-profit organizations.

400
CHAPTERS

120
EVENTS

100,000+
MEMBERS

Srikanth Velamakanni, Co-founder and CEO of Fractal Analytics @ DataGiri

Oct 28, 2017, 2.30 p.m.
ISME, Mumbai

542
Attendees

DataGiri with Morgan Stanley

Feb 24, 2018, 2:30 p.m.
Morgan Stanley,
Mumbai

396
Attendees



Data @UBER Tech Talk In Association With DataGiri

Mar 8, 2018 2:30 p.m.
91Springboard,
Bengaluru

652
Attendees

Join us!



SAY HELLO TO US!

Got questions? We'll give you straight answers! We would love to hear from you



info@greyatom.com

