

GREYATOM

YOUR FUTURE BEGINS HERE

your journey to take your **career** to a whole new phase is just a few pages away.

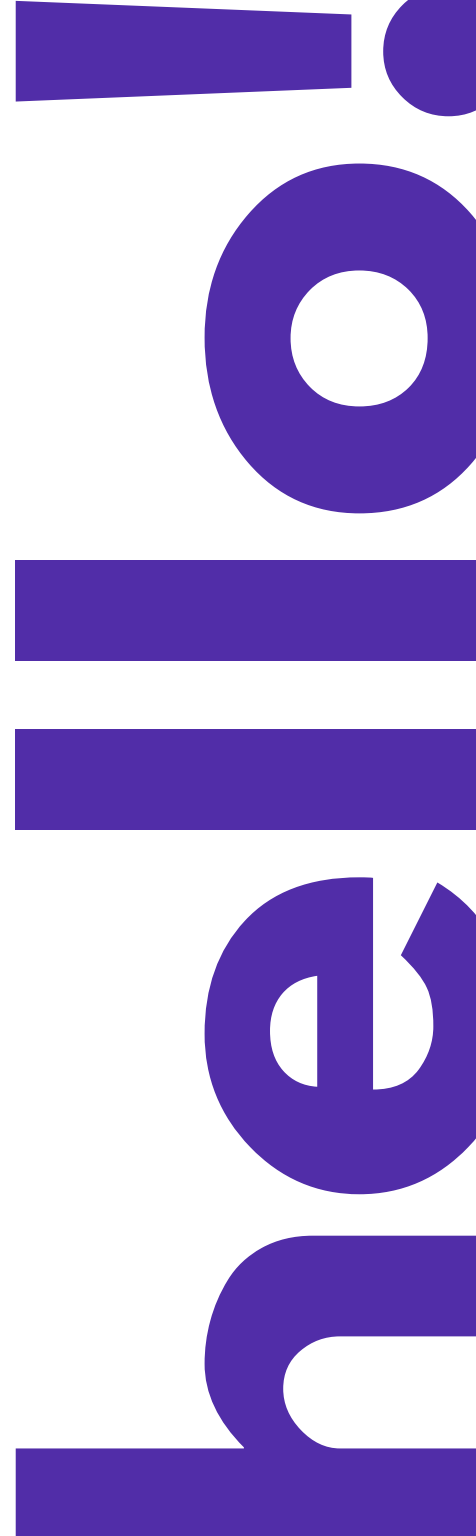


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"When I look at the next set of technologies that we have to build in Salesforce, **it's all data-science-based technology.** We don't need more cloud. We don't need more mobile. We don't need more social. **We need more data science.**"

- 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 a web-based technology product - "Commit.Live", a homegrown cloud-based learning platform that ensures that learning stays practice centered, personally meaningful and social at the same time.

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 with Deep Learning:** By the end, you will be a 360-degree data scientist, capable of tackling real-world problems, build predictive models, work on machine learning and deploy your models in production.
- **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.

- **1,500+ Classroom Learners**
- **25+ Guided Projects**
- **500+ 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.

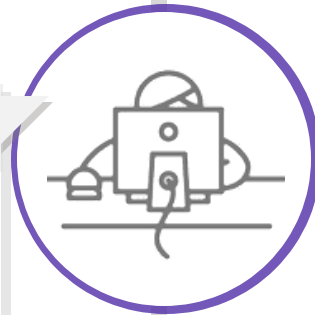


Domestically developed and optimized ecosystem

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.
- 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.

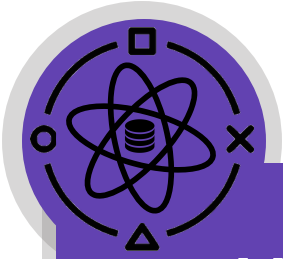


Become Industry Ready

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

Qualitative performance assessment

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

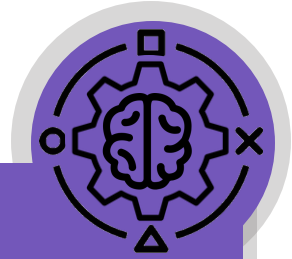


DATA SCIENCE MASTERS PROGRAM WITH DEEP LEARNING

Our Flagship Classroom program leverages the power of immersive learning to give you an in-depth understanding of ML, big data, AI, data visualization, and deploying Machine learning at scale

228 HOURS **8** GUIDED PROJECTS
2 HACKATHONS **1** CAPSTONE

*The Hours mentioned are Instructor Hours alone, The total duration of the whole program is **306 hours** *

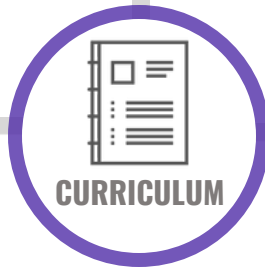


DATA SCIENCE MASTERS PROGRAM

You will develop expertise in building machine learning models and solving predictive analytics problems. This is the shorter version of the data, Science program delivered in-class, and with the option to upgrade.

150 HOURS **8** GUIDED PROJECTS
2 HACKATHONS **1** CAPSTONE

*The Hours mentioned are Instructor Hours alone The total duration of the whole program is **210 hours***



DATA SCIENCE MASTERS PROGRAM WITH DEEP LEARNING

FOUNDATION

- 1 Python & Tech Basics

MACHINE LEARNING

- 2 First Steps to Machine Learning
- 3 Problem Solving with ML
- 4 Advanced ML

BIG DATA

- 5 Hadoop & Ecosystem
- 6 Spark & Project

PRODUCTION GRADE ML

- 7 Deploying ML Applications

DEEP LEARNING

PROJECT & CAREER SERVICES

- 8 Mentored Hackathons
- 9 Industry Capstone

DATA SCIENCE MASTERS PROGRAM

FOUNDATION

- 1 Python & Tech Basics

MACHINE LEARNING

- 2 First Steps to Machine Learning
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PROJECT & CAREER SERVICES

- 5 Mentored Hackathons
- 6 Industry Capstone



01.

Foundation: Python and Tech Basics

Learning data science requires practice every day. Build your data science fluency with GreyAtom Commit.live practice mode. Python is a general-purpose programming language that is becoming more and more popular for doing data science. Companies worldwide are using Python to harvest insights from their data and get a competitive edge. Unlike any other Python tutorial, this course focuses on Python specifically for data science using a real data set of IPL matches

Topics

- Introduction to Data Science
- Getting Started with Python
- Handling Program Flow in Python
- Manipulating Data using NumPy
- Data Wrangling with Pandas
- Data Visualization with Matplotlib
- Git Basics & Writing Production Grade code



Project and Learning Outcomes,

Learn to manipulate large data sets. You will be exploring the Pokemon data set to get insightful information and present visualizations using Python.

Be capable coders in Python and at the command line, including the related packages and tool sets most commonly used in data science. Build strong foundations on statistical concepts and perform analysis with real world data sets in python and its associated libraries.

02.

First Steps to Machine Learning

This module introduces simple and multiple linear regression models. These models allow you to assess the relationship between variables in a dataset and a continuous response variable. By the end of this module, you will be able to: Describe the input and output of a regression model. Estimate model parameters using optimization algorithms. Tune parameters with cross-validation. Analyze the performance of the model. Deploy methods to select between models. Exploit the model to form predictions. Implement these techniques in Python.

Topics

- Descriptive Stats
- Inferential Statistics & Probability
- Linear Regression
- Regularisation
- Exploratory Data Analysis
- Data Pre-processing & Feature Engineering
- Feature Selection
- Logistic Regression



Projects & Learning Outcomes,

Learn to apply your first machine learning algorithm in practice using the Iowa Housing data-set. Learn to predict the housing prices. Develop a deep understanding of real-world applications of Supervised Machine learning algorithms. Solve real-world data science problems on industry data sets using appropriate Supervised machine learning models and algorithms.

03.

Problem Solving with Machine Learning

After the successful completion of this module, one is expected to become proficient at using tree based algorithms and build predictive models. In this module, you will create classifiers that provide state-of-the-art performance on a variety of tasks. You will become familiar with the most successful techniques, which are most widely used in practice, including logistic regression, decision trees and boosting.

Topics

Decision Tree
Random Forest / Ensembling
Gradient Boosting Machines
Challenges in Machine Learning
Clustering / K-means



Projects & Learning Outcomes,

Develop a deep understanding of real-world applications of ML algorithms.

Dig deep into Bank Marketing dataset and extract the important features that are responsible for predicting whether the customer will subscribe to the deposit scheme, handle unclean data and pre-process the data to improve your prediction accuracy. Also, learn advanced ML algorithms.

04.

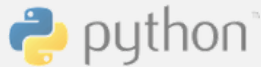
Advanced Machine Learning

Clustering and Time Series Modelling Techniques will take your Machine Learning Mastery to the next level

Topics

Time Series Modelling
Natural Language Processing
Recommender Systems

Natural
Language
ToolKit



Projects & Learning Outcomes,

IMDB, the world's most popular source for movie, TV and celebrity content. Sentiment analysis refers to the use of natural language processing to systematically study affective states. We provide a set of 25k highly polar movie reviews for training and 25k for testing

Develop a deep understanding of real-world applications of Unsupervised Machine learning algorithms. Solve real-world data science problems on industry data sets using appropriate Unsupervised ML models and algorithms, NLP

05.

Big Data

It is a comprehensive Big Data training module, designed by industry experts considering current industry job requirements to provide in-depth learning on big data modules.

Topics

Introduction to Big Data

Apache Flume

HDFS

Apache Sqoop

Apache Spark Architect

Spark Dataframes

Apache Hive

Amazon Web Services



Projects & Learning Outcomes,

Learn tools used to store and extract information from voluminous and complex datasets.

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

06.

Deployment: Building production scale data science products and their deployment

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.

Topics

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.

07.

Deep Learning

Deep Learning may be is one of the most if not the most sought-after skill in the tech industry today. This course will equip you with the foundations and enable you to construct a neural network with popular Python packages like Keras and Tensorflow. Along with it, you will also learn more about Convolution Neural Network, Recurrent Neural Networks, optimization techniques like RMSprop, Adam, initialization techniques like Xavier, Dropout etc.

Topics

ML vs DL

Feed-forward, Backpropagation and optimisation

Loss functions, regularisation and evaluation metrics

Image processing with CNN

Text processing with RNN

 Keras



Projects & Learning Outcomes,

Understand how to construct and optimize the performance of a deep Neural Network. Use deep learning to solve popular problems like image classification, object recognition along with text processing.

08.

Practical Learning: Hackathons

Hackathon is your chance to portray your understanding in a real-life example. Whether it is building a model for approving or declining a loan application or a recommender system for customers, you will deal with them all.

At GreyAtom hackathons are integrated part of the learning experience. Hackathons will be planned as a 2-day sprint with clearly established milestones in a team and you will be mentored by professionals in order to achieve the goal.

Overview

- Work on real problem statement and Datasets
- Pace yourself in an exhilarating environment
- Build solutions or results that are industry grade
- Work in truly immersive and collaborative environment
- Prove your mettle in a colosseum-like tournament by showcasing your skills to industry and build your profile with demonstrated skills.

09.

Industry Capstone & Career Development

“Experiential” projects are opportunities where students take what they’ve learned throughout the course and apply it to a specific idea. Our career services work closely with you throughout the program. We help you identify your strengths and weaknesses, determine career interests, and spot employment opportunities. We empower our students to become self-sufficient in navigating the ever-changing employment landscape.

Profile Tuning: till you get the Job. Allow our placement team to work its magic. Experienced placement folks can ensure your profile reaches out to people who matter the most.

Digital Profile Building: At graduation, you will have an extensive and rich GitHub portfolio, several storytelling blogs on Medium, and a résumé that does most of the speaking.

Interview Prep: We help our students gear up for job interviews with a rich resource repository of frequently asked interview questions to our past learners, industry talks where leaders share their insights on what they are looking out for in people when they hire.

Understanding Job Market: Our career coaches help you understand the hiring landscape and navigate its challenging terrain.

GreyAtom's Hiring Network is now looking to absorb the talent that is ready to enter the industry.

Faculty

Learn from industry experts.



Mayuresh Shiltri
Data Science Evangelist
IIT - Madras



Soumendra Dhane
Founder
TwoBeards



Mehul Chopra
IT Consultant & Trainer
Supercoders



Jay Trivedi
Data Scientist
IIT - Roorkee
IIM - Ahmedabad



Rohit Ghosh
AI Researcher
Qure.ai
IIT - Bombay



Krupal Modi
Haptik
BITS Pilani



Bhumil Haria
Software Consultant
Ex-PriceBaba
Ex-Microsoft



Deepak Angrula
VP Engineering
Acko Insurance
IIT - Bombay



Sidharth Ramachandran
Big Data Analytics
TransUnion
IIT - Roorkee
IIM - Kozhikode



Shubham Jain
Former Deep Learning Scientist
Imperial College, London
IIT - Mumbai



Prakash Vanapalli
Data Scientist
Fractal Analytics
Indian School of Mines



You?
Contact us.



Balaraman Ravindran

Professor at IIT-Madras



Paul Meinshausen

Data Scientist at
Montane Ventures



Why Mentorship is the key?

Our mentors are data science practitioners who will guide you to achieve your learning goals, help you grow & share practical knowledge that they have gained over the years of practice.

“Mentors For DSM-Remote



Axel Oehmichen

Research Associate at
Imperial College London



Manas Ranjan Kar

Associate Vice President
- Data Science & NLP at
Episource LLC

Community partner

Our community partner DataGiri is the largest data science community in Mumbai. It is widely spread across India covering channels like Jaipur, New Delhi, Chennai, and Bengaluru. DataGiri is 10,000+ members strong PAN India 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.



8
CHAPTERS

20+
EVENTS

11,000+
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!

Industry partners

We don't want to brag but, Our grads work here.

CC Avenue®

yatra

Coverfox

CleverTap

THE DATA TEAM

HDFC Life
Sar utha ke jyo!

Mahindra

haptik™

mms.ind
Geo Precision Market Analytics

Piramal
knowledge action care

flyt™
DATA >>> ECONOMIC VALUE

CRISIK

Deloitte.

INDUS

FJ FLEXI LOANS

fork

epi
EPISOURCE

nielsen

CLOUDPOINT
TECHNOLOGIES

QUOSPHERE
INTELLIGENCE & INSIGHTS

“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

This module is covered in:

**Data Science Masters
Program with Deep Learning**

**Data Science Masters
Program**

**Data Science Masters
Program - Remote**



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.

HOW TO APPLY?

1

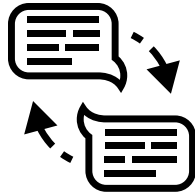


SUBMIT APPLICATION FORM

Click here

www.greycatom.com/apply

2



COUNSELING

We ensure that the applicant's career goals are in line with the program's learning outcomes.

3



SCHOLARSHIP

Register for our Programs and get GreyAtom Scholarship. ***Conditions Apply**

4



WELCOME ON BOARD

Candidates are emailed the admission decision within 3 working days



SAY HELLO TO US!

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



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GreyAtom School of Data Science

Machine Learning | Data Science
Educational organization in
Mumbai



4.6 / 5

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