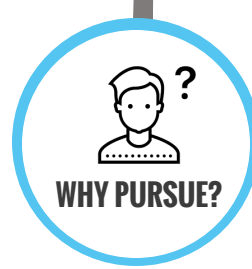




YOUR FUTURE BEGINS HERE

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





"PRESENTLY,

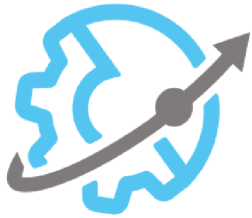
there are only 10,000 - 15,000 analytics and data experts in India, and there will be a shortage of two lakh data scientists in India over the next few years," - *AnalyticsIndia Mag*

DATA SCIENTISTS EARNING MORE THAN CAs,

"India will face a demand-supply gap of 2,00,000 analytics professionals over the next three years. Even in the US, only 40 out of 100 positions for analytics professionals can be filled," - *Times of India*

DEMAND FOR DATA SCIENTISTS GROWING: EXPERT

The demand for data scientists in India is growing in government agencies on par with private establishments due to a shortage of skilled manpower in the industry, an expert has said. - *The Hindu*



REMOTE MACHINE LEARNING BOOTCAMP

Our online offering, consisting of handpicked courses that turn you into a Machine Learning wizard **without** having to quit your job. By the end, you will build a strong intuition for solving real business problems using machine learning and extensively work with real datasets.

60
HOURS

2
GUIDED
PROJECTS

1
HACKATHON

CURRICULUM

FOUNDATION

1 Python
Basics

MACHINE
LEARNING

2 First Steps to
Machine Learning

3 Problem
Solving with ML

PRACTICAL
LEARNING

4 Mentored
Hackathon

01.

Foundation: Python Basics for Data Science

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

Python basics

- Fundamentals of Python
- Numpy Basics & Object Oriented Programming
- Numpy Advanced & Intro to Pandas
- Data Manipulation with Pandas
- Introduction to Data Visualization

Project and Learning Outcomes,

Learn to manipulate large data sets. You will be exploring the Indian Premier League 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.

- **Intro to ML & Descriptive Stats**
- **Inferential Statistics**
- **Linear Regression**
- **Exploratory Data Analysis**
- **Advanced Linear Regression (L1/ L2)**
- **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 dataset. 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 / Ensembling
Random Forest / Gradient Boosting
Machines
Challenges in Machine Learning
Clustering / K-means
Visualization: Seaborn

Projects & Learning Outcomes,

Develop a deep understanding of real-world applications of Machine learning algorithms.

Dig deep into lending club dataset and extract the important features that are responsible for deciding whether to give a loan or not, learn to handle unclean data and pre-process the data to improve your prediction accuracy. Also, learn advanced machine learning algorithms.

04.

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.**

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 on Commit.Live 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.

Why GreyAtom?

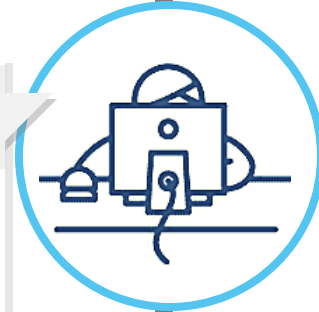
In-house Adaptive Learning Platform

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.

HOW TO APPLY?



**FILL APPLICATION
FORM**



PAY THE FEES



GET STARTED

SAY HELLO TO US!

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



Unit No. 1, 3rd Floor, Samruddhi Venture Park, MIDC Main Road, Next to Tunga Paradise, Andheri East Mumbai - 400093



(+91) 7977-01-59-52



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GreyAtom School of Data Science

Machine Learning | Data Science Educational organization in Mumbai



4.6 /5 43 Reviews

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