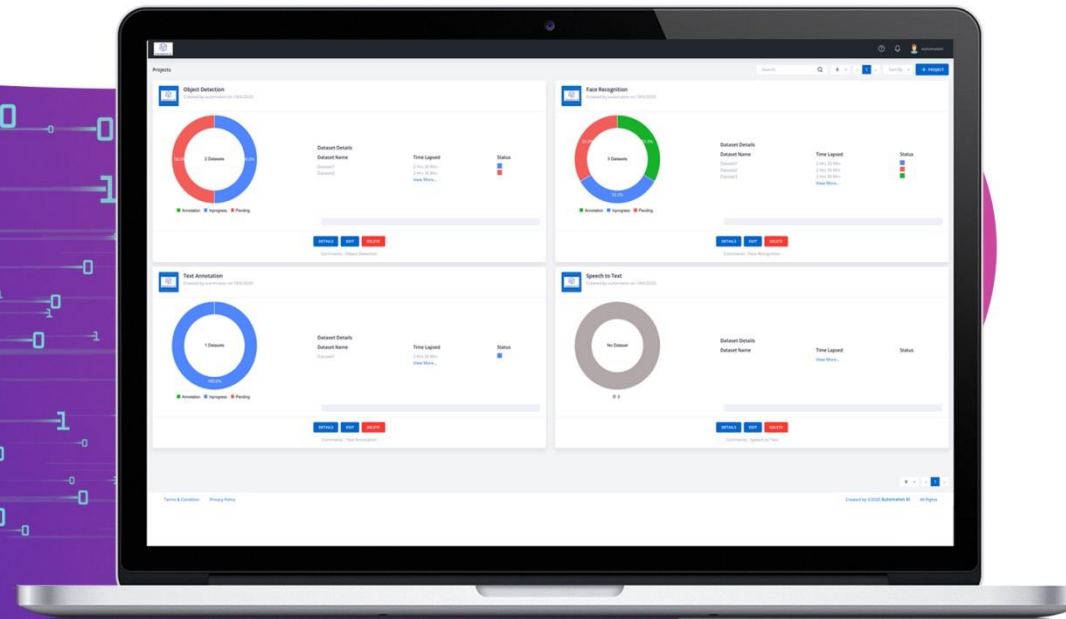


ADVANCE DATA ANALYTICS & BUSINESS INTELLIGENCE BOOTCAMP



About Sentilgent Academy

Vision

To develop AI-Hub in India

Mission

Mission to create AI Center of Excellence & to push the boundaries of technology to help individuals & companies discover, learn, and adopt the AI technologies.

Sentilgent Academy is leading the vision to develop AI-Hub in India. We envision India as the next AI-Hub of the world. India will lead technology and innovation movement. We are creating a workforce of AI professionals who will lead this movement in India.

Sentilgent Academy in collaboration with the India & USA based companies in the AI brings you the Machine Learning (ML) and Deep Learning (DL) technology stack that will boot-start your career in AI.

We accelerate and transform the careers of individuals from all background by helping them master AI & Data Analytics through intensive training programs & state-of-the art infrastructure, taught by vetted professionals with years of both education and industry experience.

Advance Data Analytics & Business Intelligence Bootcamp Overview

In the era of automated Machine Learning (ML), field of Data Science is changing at unprecedented rate. Well guided approach to learning will accelerate the process and be more enjoyable. Our Data Analytics bootcamp focuses upon real life issues and derives solutions to them using ML algorithms such as time series analysis, regression, classification & clustering. We enable participants (cohorts) with hands on training of necessary python skills, so by the end of this bootcamp they create their own python dashboards to represent the solutions to use cases. This practical approach along with ample practice help participants to navigate the complex areas of Data Science & Business Analytics.

We limit our batch size, which help us in providing individual mentorship. This bootcamp will take place in weekdays and weekend batches. It is mainly divided into 2 parts:

- The Upgrader
- The Advancer
- **Key Features:**
 1. Cohorts will receive a solid foundation in data gathering & cleaning with Python, Jupyter Notebooks, Pandas, etc.
 2. Cohorts will understand ML algorithms in great details, while also understanding how to go from model requirements to actionable steps with experimental design.
 3. Cohorts will gain experience across the data science & Business Analytics stack: Data Exploration, ML Modeling, Model Validation, Visualization, etc.
 4. Cohorts will be able to analyze business problems & increase business productivity by predicting customer trends & behaviour.

The Upgrader

This module covers following points:

1. Python Basics, Pros & Cons:

- Learning day to day formulas like sum, count, lookup in python. Python offers combination of row-wise & column-wise calculations.
- Learning to perform both these calculations will enable participants to explore entire spectrum of data preparation.

2. Pivot Table:

- Pivot table in python helps in summarizing data and extract information.

3. Data Visualization & Dashboarding:

- Data visualization is essential part of business analytics.
- Matplotlib and plotly are two pillars of visualization for python-based dashboards which will be covered in this module.



The Advancer

This module covers following points:

- 1. Machine Learning Overview:** Understanding the usage of all types of algorithms is fundamental to start the journey to become a data scientist
- 2. Data Pre-Processing:** Without understanding of data and its characteristics, machine learning models can't yield desired accuracy.
- 3. Feature Engineering:** Creating new features from existing data adds to information gain. Learning feature extraction helps in model improvement.
- 4. Time Series Analysis:** 7 types of time series algorithms sums up to accurate forecasting.
- 5. Supervised Machine Learning:** Regression and classification algorithm help in solving lot of business issues ranging from loan default prediction to weather forecast.
- 6. Un-Supervised learning:** Segmentation, product associations and many more problems can be solved using unsupervised learning.
- 7. Real life ML case studies:**
 1. Loan default predictor
 2. Sales Forecasting
 3. Customer Categorization
 4. Marketing Offer Creation



Introduction to Python

Learning Python will be placing a right foot towards your Data Science & Business Analytics journey. Being a general-purpose language, and its simple to read & write design makes Python a primary language with very reliable, efficient and easy to learn functionality. In this module, we will give a brief focus on Python introduction, applications, etc.

Python

- Basics
- Python Functions
- Conditional Statements
- Libraries
- Object Oriented Programming
- Exploratory Data Analytics

IDE

- Anaconda
- Jupyter Notebook
- Importing
- Version Management
- Notebook Management
- Shortcuts
- Introduction to Kaggle

Statistics & Machine Learning

This module will focus on essential concepts of statistics for machine learning, which will give a deep insight of ML algorithms and data preparation and pre-processing. Also, you will grasp python ecosystem with its powerful libraries based on real time case studies.

Data Pre-processing

- Missing Data Treatment
- Target Variable Identification
- Data reidentification
- Data imbalance treatment

Supervised Learning

- Regression
 - Linear Regression
 - Multiple Linear Regression
 - Polynomial Regression
 - Support Vector Regression (SVM)
 - Decision Tree Regression
 - Random Forest Regression
- Classification
 - Logistic Regression
 - K-Nearest Neighbours (K-NN)
 - Support Vector Machine (SVM)
 - Kernel SVM
 - Naïve Bayes
 - Decision Tree Classification
 - Random Forest Classification

Unsupervised Learning

- Clustering
 - K – means
 - Hierarchical
- Association
 - Apriori
 - Eclat

Time Series

- Detrend
- Seasonal Adjustment
- Moving Average
- Exponential smoothing
- Autoregression Models

Data Science & Business Analytics

Professionals jump start their tool upgradation curriculum, where we learn fundamental formulas & syntax crucial to become a Business Analyst. By exploring data visualization techniques, professionals will advance their Data Science & Business Analytics skills.

Data Analysis

- Data Read/Write
- Introduction to Data Frames
- Data Frame Operations
- Index Location Operations
- Data Aggregation

Descriptive Analytics

- Charts
- Data Visualisation
- Dashboarding
- Pivot Tables

Data Science

- GitHub
- SQL Query Export
- JSON Format for ML Model deployment

Case Studies

- Loan default predictor
- Sales Forecasting
- Customer Categorization
- Marketing Offer Creation

Instructors

Vinay Gundecha



Vinay has graduated from College of Engineering Pune (COEP) and has PGDM from IIM Shillong. He is currently working as a CBO at Automaton AI Infosystem Pvt. Ltd. His previous experience includes Eaton Corporation & Dassault Systems. He has completed internship with British Council in areas of Business intelligence. His area of expertise includes Financial Analysis, Business analytics and data science. He has mastery in tools like:

- Machine Learning
- Data Analytics
- VBA
- Python, R
- Power Bi
- Advance Business Analytics

Bhagwat Chate



Bhagwat is a Machine Learning and Data Science professional. Python, Power BI, MS Excel developer. He has 6+ years of experience in developing solutions in Business Analytics. He has a master's degree in Computer Science from Savitribai Phule Pune University. Currently working with Automaton AI as Data Scientist on the AutoML project, he worked with Eaton Corporation for 4.5 years as Business Analyst and with Infosys for 2 years as Sr Process Executive. His area of expertise lies in:

- Business Analytics
- Data Science
- Machine Learning

Mukesh Muthiyan



Having worked within the industry for over 10 years, Mukesh has developed a wide range of skills that would meet and exceed the expectations for the role. Mukesh would relish the opportunity to bring this level of success to you. In his present and past role, Mukesh has had many achievements, including:

- Databases
- Data Storages & Data Streaming
- ETL Pipelines
- Distributed Computing
- Application Integration & Deployments
- Microservices

Benefits from the Bootcamp

1. Receive a certificate of Bootcamp completion from Sentilient Academy
2. Understand Machine Learning in details to analyse, interpret, and visualize data in meaningful ways & upgrade your skillset from Excel to Python
3. Predict customer trends and behaviours & Analyze business problems & increase business productivity
4. You will be able to drive effective decision-making in business
5. Become a Kaggle developer & develop your portfolio with real-time data science projects
6. Data-Science career mentorship



Data Analytics Bootcamp Details

Batch & Time

- Batch starts on **1st July 2020**
- Only 15 students per batch

Weekend & Weekday batch

- Weekend batch
 - July 4, 2020 – July 26, 2020
 - Sat, Sun (9 am – 6 pm)
- Weekday batch
 - July 1, 2020 – July 30, 2020
 - Mon, Tue, Wed, Thur, Fri (5.30 pm – 8.30 pm)

Tuition & Financing

Rs. 35000 / participant (Inclusive all taxes)

Bootcamp Certificate

Participants will be granted a completion certificate from Sentiligent Academy, if they attend a minimum of 80% of the direct hours of the Program and after fulfilling bootcamp requirements
(complete all assignments, case studies, etc. to obtain the Certificate)



Bootcamp Details

Eligibility

This bootcamp provides all the keys to gain the expertise in Data Science & Business Analytics for Master's & Bachelor's level Graduates, Engineers, Developers, Data analysts, Software engineers, Managers.

Who can attend the Bootcamp

- Although it is suitable for cohorts from diverse backgrounds, you should expect to be writing python code at least four hours a day, and so you will want to feel very comfortable with this prospect.
- We make use of an iPython/Jupyter Notebook, so nothing but a laptop is required to participate.
(Talk to our advisor if you don't meet the pre-requisites)

Bootcamp Delivery Method

- Online / offline lectures with Hands-on real-time case studies will be given to the attendees. We will provide real-time data for the case-studies in Bootcamp.
- Attendees receive an electronic copy of the course materials, literatures and related code at the conclusion of the Bootcamp.
- Assistants will be on hand to help attendees with hardware/software issues.

Admission Process

1. Please Apply on our [website](#) or send us an email on admissions@sentiligentacademy.com with you Full Name, Contact Number, Bootcamp Batch you are interested in.
2. We will contact you on your phone / Email.
3. Admissions will be done on first come first serve basis.

Contact Us

We hope you find this Bootcamp favourable and in-line with your requirement. For any further questions, comments, or concerns, please feel free to contact us.

- **Website:** <https://sentiligentacademy.com/>
- **Email:** info@sentiligentacademy.com
- **Phone Number / WhatsApp Number:** +91 - 8600637568

