# Data Science

# About Us

InternsForge is the bridge that takes you from books to the on-field application of any and everything you want to learn. You should be trained to apply all your learnings in the real world right from the start. This not only makes your learning process a lot more fun but sets you apart from the dense competition through your exceptional skills from our holistic learning approach.

"We're not here to just teach; we're here to transform"

30,000+ Students Turned Industry-Ready Professionals

4.5+ Star rating on Google from 325+ Happy customers

Have our presence in over 4000+ colleges including top IITs, IIMs, NITs, IIITs etc

Students from InternsForge are working in Top MNCs like IBM, Accenture, Innodata, Cognizant etc

# DATA SCIENCE

## What is Data Science ??

How do you think big organisations make important revolutionary decisions?? It's not based on generic ideas and facts. They strongly consider a higher level of intelligence. The intelligence of a data scientist.

Every organisation in every industry needs data scientists. Being a data scientist is like being a detective who sifts through mountains of data to find valuable nuggets of information. Data science is an interdisciplinary field that combines techniques and methods from statistics, computer science, and domain-specific knowledge to extract insights and knowledge from data. It involves collecting, analyzing, interpreting, and visualizing large volumes of structured and unstructured data to uncover patterns, trends, and relationships that can inform decision-making and drive business outcomes.

## Scope of Data Science ??

Congrats!! 🥳
You just made a great choice

## Did You Know ??

The data science industry has been experiencing exponential growth, with the global market size projected to reach over **$200 billion by 2025,** fueled by increasing digitization across various sectors. The demand for data scientists has never been higher. Job postings for data scientists have grown **by over 250% since 2013,** making it one of the fastest- growing professions in the world. According to LinkedIn, data science skills are among the top in-demand skills globally, with companies scrambling to hire professionals proficient in areas like **machine learning, statistical analysis, and data visualization.**

# Are We Really Different ??

'This is NOT a Course, This is a Commitment"

The internet is full of online courses- free as well as paid, college students have access to top professors and high quality study materials.

Still our unemployment ratio continues to grow.

At the same time, the stress and worry faced by today's college students reach the sky!

" Now it's time to leave all your worries up to us and experience a transformed way to learning "

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# *4 Gaps That We Fill for You*

## 1 Learn From Your Idols

- **Learn from Your Idols Currently Working At Your Dream Jobs**

  You are already getting trained by top quality college professors, now time to cover the gap between theory and actual industry work. Get trained by professionals working at your dream jobs, get inspired, get guided, and get ready to reach your dreams.

- **Interactive-Live Classes**

  90% of the students never finish the online courses they enroll in. Get ready of an entirely different experience, where you learn while interacting with your mentors in a motivational environment where you can't wait for the next session. Get Inspired! Get Going!

## 2 Filling the Communication Gap

- **Special Emphasis on Your English Communication Skills**

  Even the most highly skilled professionals have reported not getting the job due to lack of effective English communication skills . Our focus will not only be to develop you industry-level skills but also efficient skills to present to the world everything you have learned confidently and fluently.

- **Group Discussion Sessions**

  Learn with the strongest tools-Practice. We will consistently arrange group discussions sessions where you can practice to put your thoughts out their with professionalism and fluency.

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- ## Advanced Interview Preparation Tools

  Get FREE access to our advanced interview preparation tool where you can:

  - Select the desired job role you want to interview for.
  - Answer the interview questions.
  - Get evaluation and feedback on your answers, tone, communication, expressions, confidence and everything the interviewer looks for.
  - Work on your shortcomings and use the tool regularly till you securely land your dream job.

- ## Our Highly Efficient Job Portal

  Get access to our own exemplary job portal which combines and brings for you all the latest job openings from each and every platform at together at one place.

- ## Advanced Resume Building Sessions

  Learn what MNCs look for in their ideal resumes customized to your desired job role and explore the secrets that sets apart a resume from the dense crowd of job seekers.

# 4 Experience Working on Live Industry Level Projects

- **Live Industry Level Projects**

    There is a humongous difference between learning from your classroom, books, notes vs. having industry experience where you know the current industry demands and are an expert at fulfilling those demands.

    At InternsForge we make sure that your learning runs parallel to the applications of your learning, i.e right from the start till the end you are consistently applying everything you are learning in form of 4 main projects that are going on in the current industry

- **Projects Assigned and Guided by Industrial Mentors**

    Since the purpose of this program is to get you industry ready. You will be assigned projects through your mentors who are working in the industry. You get to work on the projects that are highest in demand as per the industry requirements of the time you are taking the course.

    You get consistent guidance from your mentors with additional doubt clearing sessions as per your demand for the smooth running of your projects.

# ROADMAP

## Orientation Session
Within the first week of initial payment you will have your first orientation session where you will get an in-depth introduction to our process.
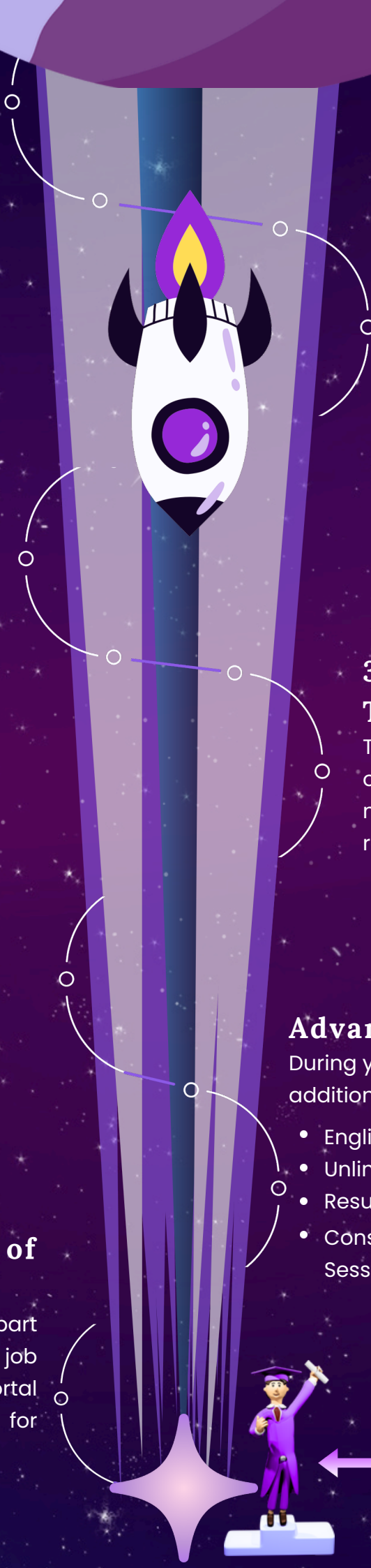
## Introduction Webinar
Between 20 to 25th of the month, you will have your introduction webinar where you will get expert insights on the scope of the subject and your growth graph with the selected career.

## 3 Months of Intensive Training
Then we will start your 40+ hrs of intensive training. Where we make sure you are industry-ready.

## During 3 Months of Intensive Training
During your training the following will be covered:
- 40+ hrs of interactive-live sessions with industry experts
- 4 Industry Level Projects
- Advanced Job Preparation

## Advanced Job Preparation
During your training the following additional things will be covered:
- English Communication Training
- Unlimited Interview Practice
- Resume Building Training
- Constant Quiz & Questionnaire Sessions

## After 40+ Hrs. of Intensive Training
- Certificates that sets you apart Access to the most efficient job portal Access to the AI portal where you can practice for interview sessions.

"The best version of you all set to conquer your Dreams"

# Curriculum

**Python (Internals, do's and don'ts) Architecture, Data Structure :**

- **Installation of Anaconda Prompt**
- **Jupyter Notebook-An Overview**
- **Shorcut Lkeys in Jupyter Notebook**
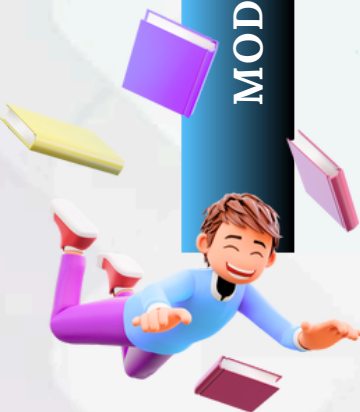- **Data Types in Python**

**Python, Reading & Writing files in Python :**

- **Rules for Naming the Variables**
- **List, Tuple, Set, Dictionary**
- **"Introduction to Files and directories**
- **Introduction to the command prompt or terminal paths"**
- **"Text files Reading from a text file Opening a file using `with'"**

**Loops and conditionals in python :**

- **If, elif and else condition.**
- **For and While Loop**

# Curriculum

**MODULE 4**

**Data Analysis , Manipulation with numpy :**

- *Machine Learning Libraries*
- *Numpy-Hands on*

**MODULE 5**

**Pandas Python data science package to manipulate, calculate and analyze data :**

- *"Pandas-Hands on"*

**MODULE 6**

**Exploratory Data Visualization in Python with matplotlib :**

- *Learn how to explore, visualize, and extract insights from data*
- *Data Visualization*
- *Matplotlib-Hands on*
- *Seaborn hands on*

# Curriculum

## MODULE 7

**Statistical Thinking in Python (Part 1) Build the foundation :**

- You need to think statistically and to speak the language of your data
- Measures of Central Tendency
- Measures of Dispersion
- "IQR Statistics-Hands-On"

## MODULE 8

**Supervised Learning & Un-Supervised Learning :**

- Classification, Regression, Fine-tuning your model
- Supervised Learning
- Unsupervised Learning
- Linear Regression
- "Metrics in Linear Regression Hands-on in Linear Regression"

## MODULE 9

**Logistic regression :**

- Logistic Regression
- Metrics in Logistic Regression
- Hands-on in Logistic Regression

# Curriculum

## MODULE 10

### Linear Regression :

- Linear regression
- Metrics for Linear regression

## MODULE 11

### Pre-processing for Machine Learning in Python :

- Introduction to Data Preprocessing
- Standardizing Data
- Exploratory Data Analysis
- Missing Values
- Outliers
- "Standardization
- Mnormalization
- Feature Scaling and Selection"

## MODULE 12

### Tree Based Models Classification and Regression Trees :

- Decision Tree
- Bagging
- "Boosting Random Forest"

# Curriculum

**MODULE 13**

*Fundamentals of Neural Network :*

- *Neural Network*

**MODULE 14**

*Machine Learning Project*

*"Use data science packages, analysis, visualization, create model, extract pure data etc"*

**MODULE 15**

*Advanced Excel*

- *Excel Functions*
- *Conditional Formatting*
- *Pivot tables*
- *Dashboards,*

# Curriculum

## MODULE 16

### SQL

- **Basics of database schema**
- **Importance SQL Clauses**
- **SQL Joins**

## MODULE 17

### Power BI

- **Introduction to Power BI desktop**
- **ETL pipeline in Power BI**
- **Calculating fields with DAX**
- **Visualising data with reports**
- **AI functionalities of Power BI**

# THANK YOU

**For More Details :**

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