

Technology is power.  
Technology is future.

JOIN SOHAMGLOBAL FOR HIGH PROFILE CAREERS IN TECHNOLOGIES



**CLOUD  
& AI  
READY  
2024**



# PYTHON FOR WEB, AI & DATA SCIENCE

**A LANGUAGE THAT EVERYONE MUST KNOW**

**SINCE 2004: 19 YEARS OF SUCCESS**

# SOHAMGLOBAL

TECHNOLOGY IS YOUR FUTURE.



ISO 9001 : 2015 CERTIFIED

**[www.sohamglobal.com](http://www.sohamglobal.com) | WhatsApp 7391966656**

## SohamGlobal

We are a Microsoft Partner and ISO-certified company specializing in development, training, and consulting services for seamless digital transformation.

**Since 2004**

TECHNOLOGY IS FUTURE

Syllabus of the course is designed as per the industry requirements and company standards. Everything that you need in interviews and jobs is covered.

# 19 years of experience in advanced technologies.

# About Us.



- Latest Tools and Techniques in PYTHON with live case studies & projects
- Live and Exclusive demos of all Python implementations with cloud.
- Experienced development teams for live/academic projects
- Includes Cloud services, Installation, Configuration, Deployment, Development, Certification & Work From Home INTERNSHIPS
- Online video recording support

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**sohamglobal.com**  
**spriderprojectsone.com**

# Part-1

# Core Python

## TOPICS COVERED

- Download & Install Python & VS Code
- Programming Online with Google Colab & Jupyter notebooks
- Variables & operators
- Input/Output, Type conversion
- Control statements
- Data types & data structures
- Data structure operations
- Union, Intersection, difference, symmetric difference
- Exception Handling - try, except
- Functions, Modules, Packages
- Lambda expressions
- Object Oriented programming
- File Handling with Text, CSV and JSON files



**DURATION : 1 MONTH**

**FEES: RS.2500/-**

**1 WEEK FREE**

**CERTIFICATE AFTER ONLINE TEST**

**FREE ACCESS TO VIDEO RECORDINGS  
ON REQUEST & TUTORIAL SERIES**

# Part-2

# Cloud DB, Web & REST API

## TOPICS COVERED

- Database Concepts, SQL
- Oracle Live SQL for Queries practice
- MySQL on the Cloud
- Python with MySQL - pymysql
- Unstructured data
- MongoDB Atlas on AWS Cloud, Live Charts
- Collections & Documents
- Python with MongoDB - pymongo
- CRUD DB operations in Python
- HTML5/CSS/JavaScript/Bootstrap
- Request-Response with Apache Server
- django web applications
- Building REST APIs, Postman
- Flask framework
- Deploy webapp on Azure cloud from GitHub
- Project

**DURATION: 5 WEEKS**

**FEES : RS. 3500/-**

**CERTIFICATE, PROJECT**

**OFFER & EXPERIENCE LETTER OF INTERNSHIP**



**django**  
mongo

# Part-3

# Analytics, Visualization & AI-ML

## TOPICS COVERED

- Data Science Concepts
- Steps of Data Science
- Data Analytics with CSV DataSets
- NumPy & Pandas - Series and DataFrames
- Data Visualizations
- MatPlotLib & Seaborn
- Machine Learning, algorithms & its types
- Scikit Learn
- Building ML model for prediction/recommendation
- Training and Testing ML Models
- Finding accuracy of the model
- joblib - Model persistence & deployment
- Project & live case studies
- AI: Artificial Intelligence, GPT, LLM, Prompts
- Microsoft Azure cloud cognitive services
- Speech, Language Translation, Sentiments & Vision
- Project & Case studies

**DURATION: 5 WEEKS**

**FEES : RS. 4000/-**

**CERTIFICATE, PROJECT**

**OFFER & EXPERIENCE LETTER OF INTERNSHIP**



 pandas



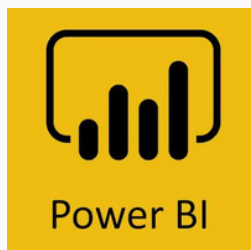
# Our Specialities

## MongoDB Atlas Cloud Database



MongoDB is a NoSQL document-oriented database that stores data in flexible, JSON-like BSON (Binary JSON) documents. It is designed for scalability, high performance, and ease of development, allowing for dynamic schema changes and efficient handling of large amounts of unstructured or semi-structured data. MongoDB is widely used in modern web applications, providing features such as automatic sharding, replication for high availability, and a powerful query language.

## Microsoft Power BI Data Analytics



Microsoft Power BI is a business analytics tool that enables users to visualize and analyze data with interactive dashboards, reports, and charts. It integrates seamlessly with various data sources, offering robust data preparation, transformation, and modeling capabilities. Power BI facilitates data-driven decision-making by providing insights through intuitive and customizable data visualizations.

## AI: Azure Cognitive services, ChatGPT



Artificial Intelligence (AI) is a branch of computer science focused on creating systems that can perform tasks that typically require human intelligence. It encompasses machine learning, where algorithms learn patterns from data, and natural language processing, enabling machines to understand and interact with human language. AI applications range from autonomous vehicles and virtual assistants to healthcare diagnostics and personalized recommendations.



# JOINING OPTIONS

**LIVE** Online on Microsoft Teams

## 01

### FULL COURSE SAVE 35%

Core Python  
Database Programming  
Web Development  
Data Analytics  
Visualization  
Machine Learning  
AI, Azure Cognitive, GPT  
Projects

**Duration: 3.5 Months**

**Fees: 6500/- in 3**

**instalments**

**(2500+2000+2000)**

**training+certification  
+internship**

**Duration: 25 days**  
**Fees: 2500/- after 1  
week**

**training+certification  
NO internship**

### CORE PYTHON

Basics  
Data Structures  
OOPS  
Functions  
Exceptions  
Files Handling

## 02

### CLOUD, DATABASE & WEB

## 03

Oracle Live SQL  
MySQL  
MongoDB  
djangoweb framework  
REST API  
Flask  
Projects

**Duration: 5 weeks**  
**Fees: 3500/- after 3  
days**

**training+certification  
+project+internship**

**Duration: 5 weeks**  
**Fees: 4000/- after 3  
days**

**training+certification  
+project+internship**

### AI, DATA SCIENCE

NumPy & Pandas  
Data Analytics  
Visualizations  
PowerBI  
Machine Learning  
Scikit Learn  
AI with Azure cognitive  
GPT prompts

## 04



"An old simple programming language that can perform the most modern and complex tasks in the easiest way for data driven decisions"

Prafull : Co-founder & Technology Head

## THE FACT

More than 60% of the projects we developed in the last 3 years were based on AIML algorithms.



## PROJECTS IN PYTHON

99753 90838



We develop projects on latest technologies and domains. We have successfully developed and delivered projects following Python domains -

- Machine Learning - prediction and recommendation
- AI and deep learning
- Data Science
- Data Analytics & visualization
- Sentiment Analysis
- Computer Vision
- Text Analytics
- Image processing
- Web development with django
- REST API applications

For FREE project topics, research papers and project guidance WhatsApp **Megha** ma'am on the given number. You can contact her personally after asking for time.

**FREE**

*Project topics,  
Research papers &  
guidance*

## INTERNSHIP

Want work experience of Python development? Follow the steps-

**Join for advanced training**  
**Get certified**  
**few modules will be assigned**

- DB programming with MySQL cloud
- MongoDB-AWS cloud development
- django Web Application & REST API
- Data Analytics with CSV datasets
- Building ML Models for prediction & recommendation
- Developing AI solution

## Upload on GitHub repository

Along with a **Certificate**, We provide **Offer Letter** and **Experience Letter** on our official letter head that will help you in building your profile.





# RESEARCH & TRAINING

The trainer Prafull ( CodeName: Ethan Hunt) has more than 20 years of experience working with advanced technologies. He is a cloud and data development specialist.

He is a renowned, award winning speaker, writer, developer and analyst who has proved his abilities at a national and international level.

His curiosity about technologies, research and sincerity makes him one of the best in the business.

Strongly supported by **Sharayu**, the Research and Training Head, the mastermind behind the syllabus and content delivery.

*Prafull*

## MY CERTIFICATIONS

Azure cloud data platform, Big Data, Generative AI, Data Science and Data Analytics with Power BI, Java Spring Boot Microservices development on Cloud

TEFL & British Council CEFR certified



*Sharayu*

**THANK YOU, AND WE  
LOOK FORWARD TO  
WORKING WITH YOU**



{ **SohamGlobal** }



# CERTIFICATE OF COMPLETION

Python for Web & Data Science

THIS CERTIFICATE IS PRESENTED TO :

**BEN STOKES**

for successful completion of the training program on Core Python 3.11, MySQL, MongoDB Atlas, django framework, REST API, Analytics with Pandas/NumPy, Microsoft Power BI, Visualization with Matplotlib, Machine Learning with Scikit Learn, AI with Azure Cognitive services & ChatGPT

**Duration of the course : 100 hours**

  
**Sharayu**

Training Head





**Prafull Manekar**

Co-founder

13th January 2024



Cert ID: PY230457

SOHAMGLOBAL.COM

December 2, 2023

## Certificate of Internship

### To whom it may concern

This is to certify that **Ms. Rebecca Ferguson** has successfully completed internship and worked with us in the Software Development department as a **"Trainee Python Developer"** from 1st September 2023 to 30th November 2023. During her internship, She efficiently handled development assignments on Enterprise Python tools such as Data Analytics with Pandas, Machine Learning Models with Scikit-Learn, MySQL & MongoDB Atlas cloud databases. She also had exposure to Power BI, django, Flask REST API, Azure cognitive services for AI.

We found her sincere, trustworthy and result oriented. We wish her good luck for her future.

Respectfully yours,



**Prafull Manekar**  
Co-Founder - Director  
SohamGlobal Group



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Ref: INEX/1223/913

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