

SEEMANSHU SHUKLA

Data Scientist | Machine
Learning Engineer |
Python Developer

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📍 Pune, India

in LinkedIn

🐙 GitHub

EDUCATION

Bachelor of Technology,

Computer Science

United College of Engineering &
Research

📅 2017 - 2021

📍 Prayagraj, India

SKILLS

- Python
- Machine Learning
- CI/CD
- Docker
- AWS deployment
- Azure deployment
- End to end ML project implementation
- MySQL
- Foxtrot
- RPA
- Automation
- Requirements specification

CERTIFICATIONS

- Machine Learning certification authorized by Stanford University, Coursera

AWARDS

- Best team award
- Lean six sigma green belt award

HOBBIES

- Listening beatboxing
- Cycling

CAREER OBJECTIVE

Currently working as a Developer with specialization in leveraging Python and other RPA tools for building automation scripts. Keenly interested in Data Science and hence, constantly upskilling towards it. Presently looking for an opportunity to utilize my aspirations, skills and abilities into a better future.

WORK EXPERIENCE

Developer

Tata Consultancy Services

📅 September 2021 - current

📍 Pune, India

- As part of core conversion worked with an Automation team to create an end to end automated solutions by leveraging Python as a scripting language.
- Worked with LOB to gather information regarding their business use case followed by building RPA scripts performing automation of their use cases by leveraging a RPA tool called Foxtrot.
- Performed data pre-processing on the business spreadsheets and helped LOB to understand the inconsistencies within it, followed by remediating these inconsistency and moving the resultant to the Production instance.
- Administered 8+ SSO based banking applications.

ML Intern

Microsoft Technology Associate

📅 June 2019 – July 2019

- Created a model for analysing the sentiments of tweets made on Twitter.
- Model is provided with 2 inputs: a string based query representing the keyword on which sentimental analysis needs to be performed and a number representing the count of tweets to be fetched.
- Tools used: Twitter development console, Jupyter Notebook, Pythonic libraries such as re, tweepy, textblob and matplotlib.

PROJECTS

Diamond Price Prediction

🐙 [GitHub project repo](#)

- Built an end to end AI powered web based application for predicting the price of diamonds based on set of Input features. This has been developed in modular fashion using Class, exception handling and logging mechanism.
- Application has been deployed over AWS in CI-CD fashion using .yaml workflow file. It is dockerized and stored as a private docker image inside ECR, which is then pulled inside EC2 instance.
- Have deployed application over Azure as well.
- Tools used: Vscode, GitHub, Self-hosted runner, AWS ECR service, AWS EC2 instance service, AWS IAM service, Azure, .yaml workflow file, Pythonic Libraries such as: flask, pandas, numpy, sklearn etc.

Application Success Prediction

🐙 [GitHub project repo](#)

- Performed EDA to generate the interesting business insights. For example helping developers to identify the category of application with a lot of potential and helping business to find the top application that can be considered for posting advertisements.
- Performed data cleaning, feature selection, label encoding over the dataset and used the resultant to build 3 different classification based learning models.
- After comparing Accuracy and F1 score concluded that decision tree and random forest based learning models performed well over SVC based learning model.
- Tools used: Jupyter notebook, Pythonic libraries such as numpy, pandas, matplotlib, plotly, seaborn, sklearn.