

PRATHVI SINGH

YC - 468, Anandam NTPC SAS LTD. GREATER NOIDA. prathvi16.ps@gmail.com ☎: 9837329588.

PROFILE SUMMARY

- Have used Pandas and Numpy for data analysis, data manipulation and data preparation.
- Have used Selenium with python to automatically run websites for testing and scrapping.
- Have used Scikit Learn framework for Model Training, Model Analysis and improving Model Performance.
- Have used libraries such as pytesseract, opencv, pandas, selenium, etc.
- Have used various Machine Learning algorithms such as SVM, PCA, Linear Regression, Logistic Regression, KNN, Naive Bayes, Decision Trees, Boosting and Random Forest.
- Good team worker & team facilitator. Ability to work efficiently even under pressure of deadlines.
- Proficient with Python and Machine Learning technology.
- Have implemented Elastic search to make search quicker in big data.
- Have worked on making pipelines between different micro service projects.
- Have been worked on two projects using Python and Machine Learning.
- Have used Git lab for code backup and storage.
- Have used Flask Rest Plus API for multiple projects.
- Have used beautiful soup for scrapping tremendous data from different search engines.
- Have used minio for storing images so that the urls could not be traceable.

TECHNICAL SKILLS

PLATFORMS AND TOOLS

- PROGRAMMING LANGUAGES : PYTHON, JAVA.
- WEB TECHNOLOGIES : HTML, CSS, JAVA SCRIPT.
- FRAME WORK : ANACONDA, DJANGO, OPENCV, SCIKIT LEARN, FLASK REST PLUS.
- IDE : IDLE, JUPYTER NOTEBOOK, PYCHARM, ATOM.

EXPERIENCE

- 1.9 years job at SecNinjaz as Python Developer.
- 6 month job at Aadrila Technologies as Python Developer.
- 6 months industrial training on Python and Machine Learning from Ducat, Noida.
- 3 month training in JAVA Core from Techlive Solution, Mohali

ACCOMPLISHED PROJECTS

1. Project: **Face Recognition**

Environment: Python, Machine Learning, SVM, PCA, Logistic Regression, OpenCV, Scikit Learn, Numpy, Matplotlib, Pickle.

This project is made in Machine Learning using python. It identifies a valid user in front of a webcam and shows his name on screen. It marks Unknown to Invalid users. Libraries used are pandas, Numpy, sklearn, Opencv.

Algorithms used are PCA, Logistic regression, SVM.

2. Project: **Gender Classification**

Environment: Python, Machine Learning, KNN, PCA, Adaboost, OpenCV, Scikit learn, Numpy, Random Forest.

This project is made in Machine Learning using python. It identifies Gender of the user in front of the webcam and shows its gender on screen. Libraries used are pandas, Numpy, sklearn, Opencv. Algorithms used are PCA, Adaboost, Logistic regression, KNN.

3. Project: **Reading Text From Image(OCR)**

Environment: Python, pytesseract.

This project is made in python. It reads the text from image using pytesseract library. It is used for creating dataset of documents just by clicking image of document.

4. Project: **Automation**

Environment: Python, beautiful soup, selenium, chrome driver.

This project is made in python using selenium and beautifulsoup. It takes us to the desired location automatically using selenium and then extracts required data using beautifulsoup.

5. Project: **Analytics**

Environment: Python, pandas, numpy.

This project is made in python using pandas and numpy library. It is used to derive an analytical solution from a bank statement of the customer.

6. Project: **Scrapping**

Environment: Python, selenium, beautiful soup, Flask rest plus API.

This project is made in python using selenium and beautiful soup. In this project data is collected from multiple search engines such as Yahoo, Bing, and dark web based on client requirement. And made rest plus Flask API for that.

7. Project: **Breach Data base services**

Environment: Python, elastic search, Flask rest plus API.

This project is made in python using Flask rest plus API. It is used to quickly search for desired data in big data.

8. Project: **Domain Name Services(DNS)**

Environment: Python, DNS libraries, Flask rest plus API.

This project is made in python using Flask rest plus API and DNS libraries. It is used to drive all related data related to any specific domain or IP. Such as address, host, port, phone no, IP, website hosted, etc.

9. Project: **Employee Monitoring**
Environment: Python 3.7, Django.

This project is made in python using libraries such as pyscreenshot, browserhistory, pyAesCrypt, psutil, pandas. It takes a screenshot after every 15 min and stores it on the server and also collects the maximum web page visited by the user and its count, what processes are currently running in the system and also the keystrokes of the user.

ROLE AND RESPONSIBILITIES HANDLED

- Coding in Python for all the projects.
- Data analysis and Data manipulation.
- Decision making for the flow of projects.
- Maintaining coding standard.

EDUCATIONAL QUALIFICATION

PROFESSIONAL EDUCATION

B.Tech(PTU) in CSE	75%	2018
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ACADEMIC EDUCATION

Diploma (PSBTE) in IT	70%	2015
10TH (CBSE)	68%	2010

PERSONAL INFORMATION

Date of Birth	:	16th June 1993
Marital status	:	Single
Sex	:	Male
Nationality	:	Indian
Language Proficiency	:	Hindi, English

DECLARATION

I hereby declare that the above information is true in the best of my knowledge.

PRATHVI SINGH
