PRAVEEN KUMAR

(Python engineer)

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SUMMARY

Started my career as Mainframe Engineer & supported for Banking, Retail & Shipping companies as mainframe L1/L2 support. Being passionate about Data Science I have started my career as **Python Engineer** & created **Django Website** with Machine learning models for Schools, Pharmacy, Online Electronic shop & Real estate companies. Now I have started to explore Data Science & adopting most possible way to my passion….

PROGRAMMING SKILLS

- ❖ **Data Science: Python**, Machine Learning, NLP, Deep Learning, OpenCV, SQL, TensorFlow, YOLO, MS-Excel 365.
- ❖ **Web Development:** Django Web Framework, HTML5, Bootstrap, SASS, ReactJS, Node JS, Expo CLI, **MySQL**, **SQLite3**, FastApi.
- ❖ **Operating System :** Ubuntu**,** Windows 10/11**.**

TOOLS

Python IDLE, Selenium WebDriver, **PyTest**, **VS code**, **Power BI**, Anaconda, Google CoLab, Microsoft SQL Server, Visual Studio

EXPERIENCE

- ❖ **Python Engineer | Value C Consulting PVT Ltd., | Aug 2018 – July 2022**
  (Serving Notice period 17th July 2022 is my last working day)
  - ▪ Currently we are supporting Fashion Retail Company's Retail partner feedback section
  - ▪ My roles and responsible is to maintain machine learning model & keep update the latest version model in **Django web Framework**.
  - ▪ We need to test the Machine Learning model timely for the performance boosting & if the model score falls below **79.05%,** we need to perform

Dicky-fuller test on the data shared by the client to remove the auto correlation between the supplied data & the collected data.

❖ **Mainframe Engineer | Cryptograph Technologies | June 2017 – Nov 2017**
   ▪ My roles & responsible is to monitor the Data shared from **Control-M batch** team by using **COBOL** program to save the same file for Windows readable format using **REXX** programming language

❖ **Computer Operator | IBM | Oct 2016 – Mar 2017**
   ▪ Support associate with **ETL team** daily task is to clean the data using **SSBI Microsoft tool** & submit the anomalies data to respective Owners for the possible solutions & the data will be used for the machine learning model & The saved model needs to be uploaded to **Django static folder**.

❖ **Mainframe Engineer | Maintec India Pvt., LTD | May 2015 – Nov 2015**
   ▪ My roles are to supply the **ESDS, KSDS, GDG** files to DB2 system by using COBOL programming Language

PROJETCS

❖ **Creating EXPO client apps:- (** *We are in Alpha stage with first PyScript library* **)**
   ▪ Implementing to use direct python scripts in HTML DOM in Django Framework.
   ▪ We are writing models to automatically handle the quick piece of code directly by avoiding the expected indentation, Error.
   ▪ We have started to deploy all the Matplotlib visualization in the Web Pages.
❖ **Created websites** for Electronic Showroom Delhi & online software license key selling partner using **ReactJS**(Front End Framework) & **Django** (Backend Framework).

❖ **Bangalore House Price Prediction:- Completed**
   ▪ By using **Django Web Framework** for *Backend*, I have Created Web UI using simple **HTML5, BOOTSTRAP-v5 & JavaScript** for *Frontend* technology.

- Using Kaggle dataset I have created model using **Logistic Regression** with **83.34%** model score to predict the best price in the location chosen by the **customer**
- I have used **Pandas EDA** for Data Cleaning process

❖ **Automatic Loan Approval Prediction:- Completed**
- I have created Web UI by using **Django REST Framework** as *Backend* with **HTML, BOOTSTRAP-v5** for *Frontend* technology.
- Using data from HDFC Bank Sales team I have created model using **Logistic Regression** with **79.89%** model score (Used **Grid Search CV** for finding best Model)
- By make use of **Web Scrap**ping technique I have used HDFC bank template (identical) for tool design.

❖ **Potato Disease Identification:- Completed**
- The model has been deployed using **Docker & TF Serving** technique on the **Django Backend Web Framework**.
- Created a simple Mobile version using **TensorFlow Lite** by using **AWS s3 bucket instance.**
- Using data from **Atliq.com** foundation I have created **Deep Learning CNN model** to identify the common disease in Potato plant.

❖ **Celebrity Image Classification:- Completed**
- By Using **Django Web Framework** *Backend*, I have created simple Web UI for Drag & Drop image to test my model using **HTML5, BOOTSTRAP-v5**.
- By make use **Fatkun** chrome extension I have scrapped the celebrity images from Bing Images & used as my Image Data
- Using **OpenCV** I have successfully cleaned the data for Face Detection.
- I have used **SVM model** for prediction it works accurate **79.65%.**

❖ **Sales Insight – Data Analyst project: Completed**
- From Upwork I have received Remote work for Sales insight for the Footware retail company which requires to monitor the **Sales insight** of the different part of countries across the USA.
- Used **MySQL** for the **ETL** process to Clean the RAW data

- The client required to know the Sales percentage based on Gender with Income as filter, in which I have used **PowerBI tool** & shared the feedback **Dashboard** for the client & waiting for response.

❖ *Academic Projects :*
  - ➢ Boston House Price Prediction using Multilinear Regression model
  - ➢ Classify message as Spam-Ham mail using **Naïve-Bayes** Model
  - ➢ Image Recognition using **TensorFlow**, **KERAS VGG19** model
  - ➢ Object detection using **YOLO** model by using **RCNN** technique

CERTIFICATION

❖ **Machine Learning with Python** :
  - ➢ Certified by Cognixia Technologies
    - ▪ Credential ID **9YnbBCJMB**
❖ **Mainframe Developer :**
  - ➢ Certified from Karnataka Government
❖ **Python Automation & Testing**:
  - ➢ Certified from LinkedIn Learning partner
    - ▪ Certificate Id: **Ab0HrsFG1EPwURBxKOTCyMuD1hJ**

E D U C A T I O N

❖ **BE | Electrical and Electronics Engineering | 7.45 (CGPA)**
  - ▪ BMS College of Engineering
❖ **PUC | PUE Karnataka | 60.33%**
  - ▪ SKPU college Science PCMB
❖ **SSLC | KSEEB | 86.56% |**
  - ▪ MABL high school, State Board

Declaration

" I do hereby declare that the above made statements are true as per my knowledge & in case of any discrepancy I'm the sole responsible for the discrepancies "

- Praveen Kumar