# Sumanth Kashyap.

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# EXPERIENCE

### Lead RPA Developer | Python Automation Developer

Sep 2021 – Present

Vanward Info. Tech.

Bengaluru, KA

- Developed 4 end-to-end RPA bots to automate processes
- Saved 30 employee equivalent manpower to the customer
- Wrote 8+ Python scripts and 20+ vb.Net scripts to process documents during the RPA process
- Wrote 5 Python executables (.exe) with GUI(tkinter). This will be invoked by the bot for for human interaction. The user gives the input and the values is integrated to the process loop

#### **Image Processing Intern**

Jun 2020 - Aug 2020

Ximax Solutions

Bengaluru, KA

- Developed Image Processing algorithms using MATLAB to understand and implement Video-based license plate reader, Motion Tracking, Shape Recovery on Low Quality or Missing Images, Drowsiness Detection, Image compression using Wavelets, OFDM modulation, and Demodulation.
- Implemented Hough Transform-based algorithm to assist the detection of pole star position in a star trail photography.

### Projects

House Price Prediction (with REST API) @ | Python, Flask, Heroku, Docker

Jun 2022 – Present

- Implemented end-to-end process for California House Price Prediction with Python, Flask and Heroku.
- Developed **custom logging** module to track the logs and errors during execution.
- Under EDA, used KNNImputer to fillout the missing values.
- Generated data drift report with evidently. Analysed output to prevent degradation of model data.
- Converted dataset to a usable format and prepared data, fit for training process with help of **scikit-learn tools**.
- Compared performance of Linear Regression and Random forest regression algorithm output for optimal performance. Used GridSearchCV to get best hyperparameters for the models.
- Implemented modular style pipeline with **OOPs**. Deployed the Flask app to Heroku on a docker container.
- Implemented **REST API** to access prediction model.

System Info Extraction | Python, Mysql, Django

May 2022 - Present

Client: Dubai based Large Commodity Trading Company

- Use Python's winreg, subprocess, win32 and many more libraries to get system details.
- Use **subprocess** to run PowerShell scripts and capture **stdout** to a variable.
- Extracted necessary data with **regex**. Used **ipify API** to get system location.
- Developed **custom logging** to save logs to database. Used **MySQL connector** to upload captured data and process logs to two different tables connected with a foreign key.
- Converted the Python project to EXE with **Pyinstaller** that can be executed in any system.
- Developed **Django** + tailwind page with user authentication to access the database for demo purpose.

#### Education

#### Dayananda Sagar Academy of Tech. and Mgmt.

Bengaluru, KA

Bachelor of Electrical and Electronics Engineering - CGPA: 8.58

Jul 2017 - Jul 2021

# TECHNICAL SKILLS

Languages: Python, SQL, vb.NET

Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

Frameworks: Flask, Django, Bootstrap

Developer Tools: Git, VS Code, UiPath, Docker

# CERTIFICATIONS

Full Stack - Data Science iNeuron.ai Nov. 2021 - Present Deep Learning Specialization deeplearning.ai Completed 4/5 Machine Learning

Coursera