

# Sumanth Kashyap

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## EXPERIENCE

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### Senior Software Engineer

Oct 2022 – Present

*CloudZen Software Labs*

*Bengaluru*

- Added 100+ scalable products to for GSTZen, a tax compliance platform serving 10k daily customers and 50k during filing periods.
- Developed APIs, built end-to-end features, added functionalities for GSTN compliance, adapting to volatile tax schema changes under tight regulatory timelines.
- Optimized testing infrastructure by migrating legacy code to current industry standards, slashing execution time from 12min to 7min with parallel runs.
- Revamped frontend builds by migrating to swc and vite, cutting build times from 50s to 5s on Linux, boosting developer productivity.
- Improved backend performance by implementing a 20x serialization boost with REST Framework best practices.
- Guided juniors by onboarding them to the codebase, reviewing code, and suggesting improvements for a 10-dev team.
- Enhanced CI-CD pipelines with Bitbucket and Docker, maintaining deployment stability.
- Accelerated DeskAudit acquisition by learning C# and .NET Framework in two days, setting up a modern ASP.NET project with initial pages to guide the team's migration from an outdated framework.
- Drove Papilio acquisition strategy by learning Ruby on Rails over the weekend, assessing a Rails 2.5/Angular 12 codebase, and proposing a modernization plan to management, including full backend test coverage, incremental Rails upgrades, and a React frontend rewrite.
- Spearheaded code quality changes by introducing pre-commit hooks, linting libraries and made team to understand the cost of technical debt.
- Delivered computation-intensive features request like new excel and pdf reports, full crud features within tight schedules, meeting client demands for monthly filing.

### Lead RPA Developer | Python Automation Developer

Sep 2021 – Sep 2022

*Vanward Info. Tech.*

*Bengaluru*

- 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 human interaction. The user gives the input and the values is integrated to the process loop

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, SQL (Postgres), HTML/CSS

**Frameworks:** Django, React, Node.js, Flask, FastAPI

**Developer Tools:** Git, Docker, VS Code, AWS, bash

## PROJECTS (OUTDATED. WILL BE UPDATING THIS SOON)

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

Jun 2022 – Aug 2022

- 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.

- 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

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

Bengaluru, KA

*Bachelor of Electrical and Electronics Engineering - CGPA: 8.58*

*Jul 2017 – Jul 2021*

## CERTIFICATIONS

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**Full Stack - Data Science**

iNeuron.ai

*Nov, 2021 – Present*

**Deep Learning Specialization**

deeplearning.ai

**Machine Learning**

Coursera