Sriram Vasudevan

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Education

Sathyabama Institute of Science and Technology   2020 – 2024
B. E. Computer Science Engineering   Chennai, India
Specialization in Artificial Intelligence
CGPA: 8.98

Work Experience

Athenahealth   01/2024 – present
Associate Member of Technical Staff - Automation & AI Engineering
As a part of Automation & AI engineering team, I implemented a wide variety
of automation solutions to increase the internal efficiency:

- Engineered robust operational automation solutions using Selenium
  Python and Robot Framework which have **direct impact on the clients**.
- **Streamlined workflows** to significantly improve the ease of UAT testing
  and deployment
- Successfully delivered a critical automation project within a 2-week
  timeframe, resulting in **250 hours saved** and achieving a **98% success rate**.
- Drove significant automation improvements by developing AI models and
  integrating with existing solution, increasing automation numbers from
  ~250K to ~350K (**~40% increase**) and **saving an additional 5,800 hours**
  over a 6-month period.

Samsung R&D Institute India-Bangalore (SRI-B)   11/2021 – 04/2022
Project intern

- Developed and launched a **dynamic data analysis dashboard** that
  generates data charts, significantly improving data visualization and
  insights.
- Led the expansion of the dashboard's capabilities to include
  comprehensive **report generation and export functionalities**.

Skills

Languages: Python, C, C++, HTML, CSS, JS

Frameworks/libraries: Flask, Selenium, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, Streamlit, Robot Framework, Locust, Pytest

Database: SQL and NoSQL

Others: Linux, Machine Learning, Computer vision, Web automation, REST APIs, VCS, (git, GitHub/BitBucket/Azure repo), AWS (EC2 and S3), Docker

Projects

Intrusion Detection System
Developed a Flask server for real-time intruder detection utilizing OpenCV with Haar Cascade for efficient face detection, LBPH for face recognition and Telegram API for active alert system. This project won the first prize at university level hackathon.

Maximising Flask performance 🔗
Analyzing how different deployment configurations can impact the performance of an API built using Flask

Gilfoyle 🔗
This is a daemon to log key system metrics including memory, battery, CPU temperature, and fan speed.

Linear regression visualization 🔗
Conducted an in-depth study of the linear regression algorithm, thoroughly exploring its core fundamentals

Achievements

1st Prize
Hackathon'23
University level hackathon

Finalist
Smart India Hackathon 2022
National level hackathon

Other activities

Speaker & instructor
Make an Impact
A 3-day hands-on workshop covering topics such as how to create an ML model, how to develop an application using it, and how to deploy it.

Flask community builder
Provided peer support and technical guidance on the Flask web framework as an active participant in the discord community

Industrial robot operation training
Robotics club SIST
Participated in a 3-day workshop and learned how to operate an industrial robot (ABB IRB 1520ID) with a controller and by programming.