Sriram Vasudevan

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Profile

I am a student who loves to convert my ideas into real-life applications. I want to apply what I learn and create useful things that matter. Apart from building personal projects, I contribute to open-source projects whenever I can.

Education

B. E. Computer Science Engineering,   2020 — 2024 | Chennai, India
Sathyabama Institute of Science and Technology
Specialization in Artificial Interlligence

Higher secondary education,   2018 — 2020 | Coimbatore, India
Vidya Vikasini Matriculation Higher Sceondary School

Skills

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

Frameworks/libraries: Flask, SQLAlchemy, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, Streamlit

Database tools: MySQL, SQLite, PostgreSQL, MongoDB

Others: Linux, Networks, ML, Data science, Data visualization, DSA, Threading, Socket programming

Professional Experience

Samsung R&D Institute India-Bangalore (SRI-B),   11/2021 — 04/2022
Project intern
- I played a key role in developing a data analysis dashboard that generates data charts dynamically.
- I helped to later expand it to generate reports and export them.

Projects

IDS, *(Intrusion Detection System)*
Detects intrusion in a defined perimeter using live video surveillance, logs data to create reports, and notifies the user(s) in case of intrusion based on severity.

TCP chat room 🔗
A TCP-based CLI chat application built using python with the help of socket programming and threading.

Linear Regression visualization ✐

A straightforward graphical visualization of a linear regression ML model. It was made to gain a deep understanding of linear regression.

Event management application ✐

A full-scale web application built with an aim to simplify event management issues faced by the professors and students in my college.

System monitor ✐

It lets you visually monitor the RAM usage, core temperature and fan speed of the system.

Interests

Technical interests: Machine learning, Networks, System design, Computer architecture, Cyber security

General interests: Rocketry, aeronautics, automobile, and maritime engineering

Personnel interests: Cycling, Exploration, Digital art, Geography, History

Achievements

1st Prize, *Hackathon'23*
University level hackathon

Finalist, *Smart India Hackathon 2022*
National level hackathon

Other activities

SIG lead, *GDSC SIST*
Leader of Special Interest Groups at Google Developer Student Club.

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.

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.