

# SRIRAM A



## ABOUT ME

I don't aim to follow the crowd—I aim to create it. I believe in learning beyond the classroom, mastering backend systems and solve real-world problems. AI is not my arbitrator but my collaborator, helping me deepen my knowledge and sharpen my edge

<https://github.com/Sri-Ram-A>

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135224323

## TECHNICAL SKILLS

### LANGUAGES:

Python ,C, Javascript

## EDUCATION

**ST MARY'S PUBLIC SCHOOL, ST MIRAS HIGH SCHOOL/2020**  
96.5 percentage in 10<sup>th</sup>

### WEB DEV

Next.js ,Flask,React.js

Django (Core,Rest  
Framework,Channels)

HTML (not a fan of CSS!)

### APP DEV

React Native

### GOTOSTACK

Next JS and Django

**SRI AUROBINDO COMPOSITE PU COLLEGE/2023**  
1160 Rank in KCET, 98.74 Percentile  
in JEE Mains, 17K AIR in JEE  
Advanced, 18th in Karnataka 12th  
Board

**RV COLLEGE OF  
ENGINEERING/2027**

CGPA: 9.74

Online Learning: NPTEL (Design and  
Engineering of Computer Systems),  
Self-learning via YouTube Workshops:  
RVCE IPU Utilization

## SKILLS

- Member: RVCE Coding Club
- Team Role: Full-stack integrator, backend logic
- Member: Google Developer Club, RVCE
- Singing, Story Writing
- Critical thinking
- Researching and trying to implement latest developments in AI field in my projects

## HACKATHONS AND ACHIEVEMENTS

- **Traffic Decongestion White Paper Bharath Rising Summit 2025** Research and solution on smart city mobility solutions-mainly focusing on Bengaluru.
- **3rd Place:** Mobility Hackathon
- **Top 6 Finalist:** Fantom Code @ RVITM College
- **Participated:** The Great Bengaluru Hackathon, Alvas Open Theme Hackathon @ Mangalore, RVCE ACM Hackathon

## PROJECTS

- **AI-Powered Debate System for News Verification** A unique real life inspired debate system where Gemini moderates debate between LLama and Deepseek. Flask, React Built frontend and backend integrating LLMs to fact-check and evaluate news claims in real-time. Used techniques like tool/function calling, Chain of thought reasoning, Source extraction from Tavily-API  
<https://github.com/Sri-Ram-A/NeoVerify>
- **Ride Hailing Platform for Demand Cancellation Reduction** React Native, Django Channels, JWT, XG-Boost, Map-Tiler, DRF Integrated frontend with backend; handled WebSocket connections and JWT authentication. Engineered scalable APIs with Django REST and trained ML model to reduce cancellation likelihood.  
<https://github.com/Sri-Ram-A/eMotion>
- **Cloud Image Storage & Process Scheduling** System Docker, Huffman Encoding, p-Hash, DCT, React, DRF Built a lightweight Image storage platform using Docker for resource utilization (multi container orchestration) Lossless Image compression with Huffman encoding. Used DCT and p-Hashing for image comparison.  
[https://github.com/Sri-Ram-A/DAA\\_Photo](https://github.com/Sri-Ram-A/DAA_Photo)
- **Traffic Forecasting and Scheduling** Streamlit, ARIMA, Facebook Prophet Collaborated on forecasting algorithms and visualizations for better city traffic flow planning. Using YOLO for real time traffic light changes based on 1 vehicle-1 weight statistics.  
[https://github.com/TJSreeharish/Real\\_Time\\_Traffic\\_prediction](https://github.com/TJSreeharish/Real_Time_Traffic_prediction)

- **Food Donation Platform** Flask, Firebase, SMTP Designed full-stack platform connecting donors with NGOs via smart forms and notifications. Email sent to donor and receiver user friendly platform inspired by social media apps  
<https://github.com/Sri-Ram-A/SurplusToService>
- **Lung Cancer Prediction and XAI** : Black box and white box models and SHAP and LIME to explain the findings on a tabular dataset, Next JS and DRF with Zustand , Next themes  
<https://github.com/Sri-Ram-A/LungCancerPrediction>
- **Quantum Gates Simulator** Python, Tkinter Built logic for visualizing quantum operations through custom gate simulation. To perform multi qubits simulation  
<https://github.com/Sri-Ram-A/quantumsim>
- **History Video Web Scraper** Beautiful-Soup, Modal AI, React Scrapped educational content and generated AI-based video summaries for student revision. AI Based Quiz generation based on NCERT Textbooks AI Based Timeline of events generation  
<https://github.com/Sri-Ram-A/HistorickAI>
- **Terminal-based E-commerce Platform** C Programming Developed CLI shopping interface with core logic for order, cart, and checkout handling. Data structures used : Linked List as Queue, Binary Search Tree, loading csv Data-frames in C, Graph based product recommendation \*Explored file handling in C  
[https://github.com/Zxid-Shxrieff/E-commerce\\_Code](https://github.com/Zxid-Shxrieff/E-commerce_Code)
- **Smart Stick for the Visually Impaired** Arduino , A smart stick which vibrates on perceiving obstacle Servo motor with ultrasonic sensor to detect overhead obstacles Water pools detection

## CONTACT

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