A S Vittal

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Summary

Aspiring Computer Science and Engineering student with a strong foundation in programming, seeking opportunities to enhance my technical skills and contribute to innovative projects in software development.

Education

SRM University AP, B Tech in CSE — Aug 2023 - May 2027

- GPA: 7.46/10.00

Narayana Junior College, PCM — June 2021 - April 2023

- Percetage: 79.3/100

Narayana EM High School — 2021

- Percentage : 97/100

Skills

- Languages : C, C++, Python
- Frontend : HTML, CSS, Responsive UI Design, React.js
- Backend : Flask/Node.js, Express.js, API Integration, JWT Authentication
- Database: PostgreSQL
- Tools : VSCode, Git, GitHub, Postman
- Courses : Data Structures, DBMS, OOP, Web Development

Experience

Full Stack Developer Intern, (Remote) — January 2025

I completed a two-month internship at EduBot Software Services as a Full Stack Developer, where I worked on a real-world fitness tracking web application called FitTrack. I contributed to both frontend and backend development, including UI design, API implementation, and database integration.
I built responsive frontend components using React and developed RESTful APIs using Flask/Node.js for user authentication, workout tracking, and progress management. I also worked with MongoDB/PostgreSQL to securely manage user data and workout records.
This internship strengthened my hands-on knowledge of full stack development, API integration, authentication, and debugging, and gave me valuable exposure to industry-level application development and teamwork.

Smart India Hackathon (SIH) – Participant

Worked in a team-based hackathon environment to develop innovative solutions for real-world problem statements, enhancing skills in collaboration, critical thinking, and time management.

Projects

Health Tracking Website(TrackWell)

• Track-Well integrates essential web technologies such as HTML, CSS, Bootstrap, JavaScript, and PHP to create an attractive, interactive, and responsive user experience, while simulating backend logic for symptom analysis and local doctor recommendations.

Face Tilt Detection System

- The Python project uses computer vision techniques to detect a user's face and eyes in real time via webcam and determine whether the head is tilted to the left, right, or is straight. The detection is based on the relative position of the eyes and the slope of the line joining their centers.
- OpenCV: Primary computer vision library. NumPy: Essential for numerical processing. Haar Cascade classifiers: Used for face detection.

Movie Ticket Booking System

- Developed a database system to manage movie shows, bookings, and customer data efficiently.
- Designed ER diagrams and normalized relational schema up to 3NF.
  Implemented SQL queries and views for ticket booking, customer filtering, and data analysis.
- Applied referential integrity and relational constraints to ensure data consistency.