Vishal Sai Godavari

https://vishal-gvs.github.io/PortFolio/

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Profile

As an aspiring software developer and current student, I am deeply passionate about harnessing the power of technology to solve real-world problems. My journey in the world of coding began with curiosity and has evolved into a strong dedication to learning and creating innovative solutions. Through my academic studies, I have gained a solid foundation in programming languages such as Python and C++, and I am continuously expanding my knowledge of software development practices. I am eager to apply my skills in real-world projects, collaborate with others, and grow as a developer, all while striving to stay on the cutting edge of this ever-evolving field.

Education

SRMAP University, BTech in Computer Science Aug 2023 – 2027

- CGPA: 9.08 (Till current – 4th semester)
- **Coursework:** C, C++, Python, Data Structures, Design and analysis of algorithms, Web Technology (HTML, CSS, Bootstrap, JavaScript, React.js, PHP), Database management (MySQL commands).

Technical skills

Frontend: HTML5, CSS3, Bootstrap, JavaScript (ES6+), React.js
Backend: PHP, Python (Flask, FastAPI), Node.js (beginner)
Databases: MySQL, SQL
Tools: Git, GitHub, Visual Studio Code, OpenCV, Open3D, Pillow
Concepts: REST APIs, OOP, MVC Architecture, CRUD Operations, Agile Development
Soft Skills: Communication, Problem Solving, Teamwork, Leadership

Experience

Image Processing Intern, SRM University, Andhra Pradesh. Feb 2025 – April 2025

- **3D Image processing:** Worked on 3D Image Processing using **Open3D** software using python.
- **Point Cloud Processing**: Analysis of point clouds and 3D mesh using ZED2i - 3D Camera.
- **2D Image Processing**: Detection of potholes using **OpenCV** by edge detection and contour monitoring.
- Implementing algorithms for calculating the depth and volume of a Pothole with Real-Time Image processing.

Campus Placement Coordinator, SRM University, Andhra Pradesh.

- **Coordinated and facilitated campus placement drives** by efficiently directing company HRs to appropriate departmental interview cabins.
- **Managed large groups of students in high-pressure environments**, ensuring proper discipline, timely assistance, and effective communication
- **Developed strong organizational, leadership, and interpersonal skills** through hands-on experience in multitasking, conflict resolution, and stakeholder coordination.

Projects

E-Book Website (Full Stack)

- Developed an E-Book website using HTML, CSS and JavaScript and some parts of React.js for frontend. Developed the backend using PHP, MySQL. A very unique feature of audiobook category is available for the website for the aid of blind people. It connects the python code for text to speech using Flask and FastAPI.

IPAD's AI Powered Computational calculator. (Python)

- Developed a clone of IPAD's AI powered Computational Calculator which takes user's hand drawn gestures and input and converts into text format by image processing using PILLOW, it solves the mathematical equations like differentiation, integration and physics problems in Newtonian Mechanics.

Library Management System: (Database Management) https://vishal-gvs.github.io/DBMSProject/

- The Library Management System is a relational database project that manages books, readers, staff, and book transactions. It uses normalized tables with SQL queries and views to ensure data accuracy, simplified access, and secure library operations through a structured database design.

Smart traffic control System: (Object oriented programing)

- This project implements a **Smart Traffic Control System** using **C++** with a focus on **Object-Oriented Programming (OOP)** principles. The system simulates real-time traffic density across multiple lanes and dynamically controls traffic signals based on vehicle count and congestion levels. Its primary objective is to reduce traffic delays and improve the flow efficiency by prioritizing busier lanes using logic-based timing.

Achievements and Initiatives

- Designed and implemented an accessibility-focused feature for visually impaired users in a full-stack web application.
- Consistently maintained a high academic GPA while managing extracurricular leadership roles.
- Built multiple end-to-end applications integrating frontend, backend, and database systems.

Technical Competitions and Hackathons

- **SRM Hackathon 2024 – Finalist** for building a Smart Home Dashboard using React.js and Node.js.
- **CodeChef Long Challenge** – Ranked among top 10% in May 2025 edition.