

SAI VARA PRASAD MUVVALA

Aspiring Full Stack Developer

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PROFESSIONAL SUMMARY

Computer Science Engineering student with strong proficiency in C, C++, and Java, and a solid foundation in Object-Oriented Programming, Data Structures, and algorithmic problem solving. Skilled in developing efficient, maintainable software solutions with strong analytical and logical reasoning abilities. Seeking an entry-level Software Engineer role to contribute to product development and grow as a core software professional.

SKILLS

- **Programming Languages:** C, C++, Java(OOP, Collections), Python(basics), JavaScript
- **Core Computer Science Concepts:** Data Structures & Algorithms, Problem Solving & Logical Reasoning, Algorithm Design & Optimization
- **Web Development:** HTML, CSS, JavaScript, Responsive UI Design basics
- **Database & Data Handling:** SQL, MongoDB(basics)
- **Frameworks:** Bootstrap
- **Tools & Technologies:** VS Code, MySQL, Git

WORK EXPERIENCE

AI & Machine Learning Internship – Coratia Technologies

08/2023 – 09/2023

- Completed a hands-on internship in AI/ML, focusing on real-world applications and algorithm development.
- Participated in data preprocessing, including data cleaning, feature extraction, and normalization to improve model accuracy.
- Conducted model performance analysis using metrics like accuracy, precision, recall, and F1-score.

Software Development Internship – Prodigy InfoTech

07/2024 – 08/2024

- Gained practical experience in software development, project workflows, and coding best practices.
- Enhanced understanding of frontend and backend integration, APIs, and database connectivity.
- Worked on optimizing code performance and ensuring clean, maintainable, and reusable code.

CERTIFICATIONS

AI & Machine Learning Course Completion Certificate – IIT Bhuvaneswar

07/2023 – 08/2023

- Completed certified training in Artificial Intelligence and Machine Learning.
- Applied AI concepts to real-world case studies and mini-projects.
- Implemented ML algorithms using Python (Scikit-learn, TensorFlow).

MongoDB Basics for Students – MongoDB

06/2025

- Completed foundational course on MongoDB and NoSQL database concepts.

- Understood core components like databases, collections, documents, fields, and ObjectId.
- Practiced writing efficient MongoDB queries using filters, projections, sorting, and comparison operators.

EDUCATION

- Bachelor of Technology – Computer Science | Hindustan University, Chennai | 2022-2026 | 8.42 CGPA
- Intermediate | Minor in MPC | Sri Saraswathi Junior College | 2020-2022 | 87.5%
- High School | Royal High School | 2020 | 92.33%

PROJECTS

Online Exam Proctoring System Using AI & Full-Stack Integration

Tech Stack: Python, OpenCV, TensorFlow, dlib, Mediapipe, Flask, SQL

- Developed an AI-powered automated exam monitoring system capable of detecting cheating behaviours during online tests.
- Implemented facial recognition, eye-blink & gaze tracking, and head-pose estimation to identify suspicious activities such as looking away, presence of multiple faces, or absence of candidate
- Designed modules for real-time audio monitoring, tab-switch detection, and environment change alerts to enhance exam integrity.
- Built a centralized dashboard for examiners to view live monitoring, logs, and flagged events using Flask/Streamlit.

Online Organic Farm Store

Tech Stack: HTML, CSS, JavaScript, SQL

- Developed a dynamic e-commerce website that enables direct transactions between local farmers and customers for organic fruits and vegetables.
- Implemented key features such as product listing, shopping cart, secure checkout, and order management.
- Aimed to promote organic farming and streamline the supply chain by eliminating middlemen and offering consumers easy access to fresh produce.

EXTRA-CURRICULAR ACTIVITIES

- Active member of NSS (National Service Scheme) at HITS, participated in various community service events.
- Volunteered in organizing and promoting a blood donation campaign held on campus for Founder's Memorial Day.
- Contributed to college-level awareness drives and group service activities promoting student engagement and responsibilities.

PERSONAL STRENGTHS

- **Self-Motivated** – Takes initiative and continuously seeks self-improvement.
- **Adaptability** – Quickly learns and applies new technologies.
- **Quick Learner** – Able to grasp new concepts and technologies rapidly.
- **Good Communication** – Clear in explaining ideas and collaborating with teammates.

LANGUAGES KNOWN

- Telugu - (Native)
- English - (Fluent)
- Hindi - (Proficient)
- Tamil - (Conversational)

DECLARATION

- I hereby declare that the information provided above is true to the best of my knowledge and belief.