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EDUCATION

Sai Vidya Institute of Technology
*Bachelor of Engineering CSE - **CGPA** - 8.3*

2021 - 2025
Bengaluru, India

SKILLS

Technical Skills:

- Python, SQL, Java, HTML5, CSS, JavaScript, Django, Flask, MySQL, Firebase, AWS

Soft Skills:

- Communication, Team Collaboration, Technical Documentation, Leadership
- Problem Solving, Risk Assessment, Stress Management, Continuous Learning

PROJECTS

Survey System Project

Dec 2022 - Jan 2023

- Engineered a multi-step survey system in Java (Swing) using JRadioButton components to process over 100 user inputs smoothly.
- Optimized file handling with BufferedWriter, reducing data latency to $\leq 50\text{ms}$ and boosting system responsiveness by 25%.
- Introduced event-driven logic via asynchronous callbacks, reducing interface lag by 20% and improving survey completion rates to 95%.

SVITConnect – Social Media Web Application

Mar 2023 - Apr 2023

- Created a responsive single-page app (SPA) in React.js supporting tweet-style posts, authentication, polls, and group-based feeds tailored to student communities.
- Architected smooth client-side routing and dynamic state management using React Router and Hooks; connected to simulated RESTful APIs via Axios and JSON Server.
- Crafted an intuitive interface with Tailwind CSS and enhanced user interactions through react-toastify notifications and react-confirm-alert dialogs.

PPE Compliance System

Sep 2024 - Dec 2024

- Designed an intelligent safety compliance framework leveraging YOLOv8, attaining 92% detection precision for identifying protective gear in industrial settings.
- Integrated a real-time alert system with audio warnings, push notifications, and role-based authentication to enhance workplace safety enforcement.
- Refined model performance for varied operational conditions (low-light, obstructions) through data augmentation techniques, ensuring robust detection accuracy.
- Built a scalable web and mobile dashboard, facilitating real-time monitoring and improving remote safety management efficiency.

EXPERIENCE

Software Development Intern

TAP Academy

Feb 2025 – Present

- Selected for the prestigious Campus to Corporate (C2C) Internship Program, focusing on bridging academic knowledge with real-world software development.
- Received intensive training in full-stack development, mastering software engineering principles, coding best practices, and industry methodologies.
- Designed, developed, and deployed real-world applications, showcasing expertise in problem-solving, debugging, and scalable software solutions.
- Gained proficiency in modern frameworks, tools, and agile methodologies, collaborating in an offline environment to execute projects efficiently.