

A SANJANA

AI & Web Development Enthusiast

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SUMMARY

Passionate IT student specializing in AI and full-stack web development, with hands-on experience building intelligent systems for education and healthcare. Eager to contribute technical and problem-solving skills to impactful projects.

EDUCATION

- B.Tech – Information Technology 2022 – Present

Meenakshi Sundararajan Engineering College | CGPA: 8.85 (Current)

- AISSE (Class XII) – Computer Science 2022

Lalchand Milapchand Dadha Senior Secondary School | Percentage: 74.6%

PROJECTS

1. Smart Mental Healthcare System (Flask | HTML | CSS | Machine Learning)

Developed a Flask-based AI platform to detect emotional states and stress levels from text input. Integrated a Groq API-powered chatbot for adaptive mental health support, offering real-time responses. Enhanced user interaction through an intuitive and responsive interface.

2. Smart Education Platform (React.js | Flask | Firebase)

Built a multi-portal education system for students, teachers, and kids using React.js and Flask. Integrated AI-driven voice assistance and gamified learning to boost engagement. Automated attendance tracking and ensured data security via Firebase integration.

3. Blog & Event Management (SQL | Express | React | Node.js)

Created full-stack applications using the SERN stack with secure authentication and CRUD operations. Used Docker for MySQL containerization to enhance scalability. Designed responsive interfaces and optimized backend performance for smooth data handling.

4. Marine Debris Detection System (YOLOv8 | Deep Learning | Python | Satellite Imagery APIs)

Developed an intelligent model using YOLOv8 and Vision Transformers to detect marine debris. Integrated satellite imagery APIs for real-time data collection and analysis. Improved classification accuracy to aid large-scale environmental monitoring.

SKILLS

Programming: Python, SQL, HTML, CSS

Frameworks/Libraries: Flask, React.js, Express.js

Databases: MySQL

Tools: Docker, GitHub, Postman, OpenCV, Tesseract OCR

Soft Skills: Leadership, Team Collaboration, Adaptability, Problem Solving

EXPERIENCE

Full-Stack Web Development Intern — Prodigy InfoTech

Jun 2024 – Jul 2024

Successfully completed a one-month internship focused on full-stack web development. Gained hands-on experience in building responsive web applications, integrating front-end and back-end technologies, and implementing RESTful APIs. Demonstrated strong problem-solving, coding, and project execution skills throughout the program.

Mobile Application Development — Elewayte

Jan 2024 – Feb 2024

Completed a certified course in mobile app development, gaining practical knowledge in app design, development, and deployment. Strengthened understanding of core mobile frameworks and user-centric design principles.

RESPONSIBILITIES

- **Executive Commander** | 2023 – Present

Coordinated departmental events and hackathons, fostering leadership and collaboration.

Managed event logistics and technical sessions to enhance student engagement.

- **Placement Coordinator** | 2023 – 2025

Acted as a communication bridge between students, faculty, and the placement cell.

Organized placement-related activities and ensured timely dissemination of job opportunities.

ACHIEVEMENTS

Secured 2nd place in the Hackathon at SA Engineering College for developing an innovative AI-based project focused on real-world problem solving.