

Mayuri Kurabalakota

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Career Objective

Aspiring Full Stack Developer & AI /ML Enthusiast with experience in developing scalable web applications and AI-driven solutions. Passionate about designing impactful digital products by combining modern UI, efficient backend systems, and data-driven intelligence.

Education

Aditya College of Engineering, Madanapalle (2022 - 2026)

B. Tech in CSE (AI) with 81%

Technical Skills

- **Languages** : Python, C, SQL, Java (Basics)
- **Frontend** : HTML5, CSS3, JavaScript, React.js, Next.js, Tailwind CSS, Bootstrap
- **Backend** : Node.js, Express.js
- **Databases** : MySQL, MongoDB
- **Platforms** : GitHub, VS Code, Flask, Adobe Firefly, Google Colab.

Internship Experience

1. Full Stack Web Development Intern — Future Interns (Sep 2025 – Oct 2025)

- Worked on end-to-end web development, gaining hands-on experience with frontend, backend, databases, and AI-assisted design tools.
- Learned to apply best practices in responsive design, SEO optimization, and scalable architectures for real-world applications.
- Collaborated on projects involving portfolio development, e-commerce, and brand website redesigns, strengthening skills in modern frameworks and deployment.

2. AI & ML Intern — SmartBridge Educational Services (May 2025 – Jul 2025)

- Built and evaluated machine learning models to solve supervised learning problems.
- Designed data preprocessing and feature engineering pipelines for improved accuracy.
- Deployed models into applications using Flask.

Projects

1. Personal Portfolio Website [[GitHub Link](#)] Sep 2025

- Designed and developed an interactive portfolio website with resume section, contact form, and SEO optimization. Built with React.js, Node.js, and MySQL/MongoDB.

2. Mini E-Commerce Platform [[GitHub Link](#)] Sep 2025

- Built an e-commerce web app with product listings, filtering, shopping cart, and checkout simulation. Implemented Redux/useContext for state management. Developed using React.js, Tailwind CSS, Node.js, and MongoDB.

3. Brand Website Redesign with AI Tools [[GitHub Link](#)] Oct 2025

- Reimagined a favorite brand's website using Next.js + Tailwind CSS. Integrated AI-generated design elements (logos, color schemes) with Adobe Firefly and Durable. Optimized for mobile-first and SEO.

4. TrafficTelligence: Advanced Traffic Volume Estimation [[GitHub Link](#)] Jun 2025

- Developed a Flask-based ML web app to predict traffic volume using Random Forest on weather and time data.

5. Facial Expression Detection [[GitHub Link](#)] Dec 2024

- Built an AI model to analyze emotions from facial images. Enhanced interactive systems with emotion-aware responses.

Positions of Responsibility

- Technical Fest Coordinator, Project Expo Organizer, Workshop Volunteer.
- Anchored and hosted cultural events, demonstrating leadership, teamwork, and communication skills.

Achievements

- Selected for **Smart India Hackathon (SIH)** 2024 at college level.
- Certified in TCS iON Career Edge - Young Professional Course.
- Presented Healthcare Innovation Idea at a National-Level competition (**MITS University**)
- Proposed an IoT-based traffic safety solution at **SV University**