

# Mucharla Sowmya

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## PROFESSIONAL SUMMARY

Third-year Computer Science Engineering student (graduating 2027) with hands-on experience in **Python, JavaScript, Django, Flask, and Azure OpenAI**. Skilled in **full-stack web development, REST APIs, SQL/MySQL, and cloud computing** with a strong foundation in **data structures, algorithms, and scalable application design**.

## EDUCATION

**Bachelor of Technology in Computer Science** – CVR College of Engineering, Hyderabad. **CGPA: 8.7** Sept 2023 - May 2027  
**Intermediate in MPC- Narayana Junior College, Hyderabad.** **Percentage: 96.4%** Jun 2021 – May 2023

## SKILLS

**Programming Languages :** Python, JavaScript, Java

**Web :** React.js, HTML, CSS (Tailwind), Django, Flask, REST APIs

**Database :** SQL, MySQL, MongoDB

**Web Services:** RESTful APIs (hands-on)

**Cloud/Tools :** Azure, Git, GitHub, VS Code, Power BI, Copilot Studio

**Core CS:** Data Structures & Algorithms, Operating Systems, DBMS

**Soft Skills:** Communication, Leadership, Problem-Solving

## EXPERIENCE

**AI & Full-Stack Developer Intern** Jul 2025 - Aug 2025  
1M1B Green Internship (Batch 4) Hyderabad, India

- Built **Autoaudits**, an **AI-powered carbon emission analysis platform** using **Node.js, Firebase, and Google Cloud Vision API**, improving invoice-based audit **accuracy by 90%**.
- Automated data extraction and carbon footprint reporting, reducing manual audit **time by ~70%**.
- Collaborated in an **Agile environment** and deployed scalable backend services to the **cloud**.

## PROJECTS

### AI Dev Interview Prep Coach

- Developed an **AI-powered interview simulation platform** using **Django, React, MySQL, and Azure OpenAI**, featuring automated question generation, real-time evaluation, and AI-driven scoring with feedback.
- Implemented secure **JWT-based REST APIs** and a **responsive, animated UI** with **React + Tailwind CSS**, including **session tracking** and **interview history analytics** for performance insights.

### Weather & Air Quality Monitoring App

- Built a full-stack web app for **real-time weather & air quality visualization**, with community posts, comments, and admin features using **Flask, MySQL, and REST APIs**.

### Face Recognition System

- Developed a **real-time facial recognition system** using **Python & TensorFlow**, trained on a custom dataset for accuracy and low-latency detection.

## EXTRA-CURRICULAR ACTIVITIES

**Co-Organizer – Microsoft AI Innovators Hub & Global AI Hyderabad** : Organized and facilitated **AI-focused workshops** on topics such as **Azure AI, Responsible AI, and Cloud Innovation**, empowering **200+ learners** through hands-on sessions and interactive demos.

**Event Manager – Soul Stepperz (Dance Club), CVR College of Engineering** : Managed and organized **college-level dance** and cultural events, leading teams in choreography **planning, logistics, and stage coordination**.