

Suchitha Mandava

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EDUCATION

Shri Vishnu Engineering College for Women, Bhimavaram Bachelor of Technology in Information Technology CGPA: 8.32	2022 – 2026
Narayana Junior College, Ongole Intermediate Percentage: 67.4%	2020 – 2022
QIS High School, Ongole Secondary School Certificate Percentage: 97%	2019 – 2020

SKILLS

Programming Languages: C, C++, Java, SQL
Web Technologies: HTML, CSS, JavaScript, React.js
Database: MySQL
Version Control: Git, GitHub
Data Analysis: NumPy, Pandas, Matplotlib
Data Science: Standard ML Algorithms – Regression, Classification, Clustering
Core CS Subjects: Data Structures and Algorithms, OOP, DBMS
Soft Skills: Problem-Solving, Critical Thinking, Leadership, Communication, Time Management

PROJECTS

College Event Booking System GitHub

- Built a full-stack event booking system for event browsing, registration, and admin-level event management using JWT authentication.
- Integrated React.js frontend with Node.js + Express backend and MySQL for storing event and user data.
- Implemented error handling, logging, and monitoring to improve system reliability and troubleshoot issues effectively.
- **Relevant Skills:** React.js, Node.js, Express.js, MySQL, CSS, JWT

ClimaFit GitHub

- Developed an AI-powered outfit recommendation system that factors in body type and real-time weather data.
- Built with Streamlit and Python; integrated OpenWeatherMap API for live weather-based personalization.
- Added logging and exception handling to ensure uninterrupted service and easier debugging.
- **Relevant Skills:** Python, Streamlit, OpenWeatherMap API

Water Quality Monitoring System (IoT)

- Designed a real-time monitoring system using ESP32, pH, and TDS sensors to detect water quality anomalies.
- Coded in Embedded C and validated performance through serial monitoring; presented and won at Namonveshah 2024.
- Implemented sensor data logging and anomaly alerts to improve monitoring accuracy and system observability.
- **Relevant Skills:** ESP32, pH Sensor, TDS Sensor, C Programming

ACHIEVEMENTS

- Selected for Adobe Career Academy 2024 – top 200 students nationally.
- Top 30 team at college-level in Smart India Hackathon (2 consecutive years).
- 1st place in Namonveshah 2024 for presenting the IoT-based Water Quality Monitoring project.
- Solved 600+ DSA problems across LeetCode, CodeChef, and Codeforces.