

# Suchitha Mandava

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## EDUCATION

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### Shri Vishnu Engineering College for Women, Bhimavaram

2022 – 2026

Bachelor of Technology in Information Technology

**CGPA:** 8.32

### Narayana Junior College, Ongole

2020 – 2022

Intermediate

**Percentage:** 67.4%

### QIS High School, Ongole

2019 – 2020

Secondary School Certificate

**Percentage:** 97%

## SKILLS

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**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

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### 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

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- 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.