Swaraj Babu Beeda

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SKILLS

Programming: Python, OOPS through JAVA, C
Frontend Development: React, JavaScript, Node.js, Express.js, Bootstrap, HTML, CSS
Database: MySQL, MongoDB

EXPERIENCE

1. COASTAL SAFETY GUIDE

○ Coastal Guardian is a mobile application that provides real-time beach suitability insights based on ocean and weather conditions, ensuring safety and better planning for coastal tourism activities in India.

○ The app is built using React Native for a cross-platform interface, Node.js with Express.js for backend logic, and MongoDB for data storage. It integrates INCOIS and Google Maps APIs for real-time data and geospatial visualization.

○ Key features include real-time beach suitability analysis using parameters like wave height, currents, and water quality, geospatial maps with color-coded indicators, personalized safety alerts based on user location, and detailed hazard notifications for improved coastal tourism planning.

PROJECTS

○ Participated in a collaborative project focused on developing an education system in rural areas using the MERN stack for the elderly.

○ The project aimed to enhance digital literacy among the elderly population in rural regions, impacting over 500 individuals across 10 villages.

○ By leveraging React, the team created an accessible and user-friendly platform tailored to the unique needs of senior citizens.

ACHIEVEMENTS

○ Participated twice in Smart India 24-hour Hackathon at GITAM University.

○ Qualified for NMMS (National Means-cum-Merit Scholarship).

○ Secured a rank of 403 in TS POLYCET.

○ Ranked 1 in U-14 District level Chess Championship, Siddipet.

○ Ranked 1 in U-12,13 State level Chess Championship, Hyderabad.

○ Selected for National Chess Tournament held in Pune.

CERTIFICATIONS

○ Certified in Python-Data Structures through Coursera.

○ Certified by the University of Michigan for HTML5.

○ Certified in Data Visualization from TATA.

○ Certified in C for Everyone: Programming Fundamentals through Coursera.

○ Certified by the University of Colorado Boulder for Excel.

EDUCATION

Bachelor of Technology *2022-2026*
○ Computer Science and Engineering

○ Gandhi Institute of Technology and Management, Visakhapatnam, Andhra Pradesh

○ **CGPA:** 8.39

COURSEWORK

Artificial Intelligence and Applications, Data Structures and Algorithms, Advanced Data Structures, Machine Learning, Cloud Computing, DBMS, Computer Networks, Operating Systems

LANGUAGES KNOWN

English, Telugu, Hindi

INTERESTS

Chess