Martha Venkata Harish

FULLSTACK DEVELOPER

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PROFESSIONAL SUMMARIES

Full-stack developer specializing in MERN stack, delivering scalable web applications with a strong record in hackathon competitions. Passionate about problem-solving and creating innovative solutions.

EXPERIENCE

Full Stack Web Development Intern   Oct '25 — Jan '26
UptoSkills

- Developed a full-stack web platform using React (Vite), Tailwind CSS, Node.js, Express, and PostgreSQL. . Built role-based dashboards for students, mentors, companies, and admins with secure access control.
- Implemented student project and skill uploads, enabling structured project management.
- Designed a skill-based mentor assignment system to match mentors with students.
- Integrated RESTful APIs to enable efficient data flow between frontend and backend with optimized database interactions.
- Used Git and GitHub for version control and followed Agile development practices to deliver features iteratively.

EDUCATION

B.Tech in AI and Data Science, SRKR Engineering College (GPA: 8.73)   Present

PROJECTS

Recipe Sharing Platform

- Developed a web application that enables users to search for recipes based on ingredients and cuisine preferences.
- Implemented user profile management and recipe creation functionality.
- Integrated ingredient-based search, step-by-step cooking instructions, and region-based recipe categorization.
- Technologies:React, Express.js, MongoDB, Node.js, BootStrap

Amaravati Quantum Valley Hackathon 2025

- Built a delivery vehicle routing optimizer using **classical (nearest neighbor, GA, SA)** and **quantum-inspired algorithms (Qiskit)**.
- Developed **FastAPI backend and front-end integration** for a user-friendly logistics solution
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  Secured **5th place**, gaining hands-on experience in **quantum optimization and real-world logistics problems**.

SKILLS

Frontend   HTML5, CSS3, JavaScript(ES6+), React.js
Backend   Node.js, Express.js
Database   MongoDB
Tools   Git, GitHub, VS Code
Data Science   python (libraries-pandas, NumPy and machine learning).

CERTIFICATES

DevOps 3-day Flowthon + 24hr Hackathon (February 2025) merit and par cipa on cer ficate.   Feb '25
5th Place-Amaravati Quantum Valley Hackathon 2025

AWARDS

3rd Place - DevOps 3-days Flowthon+24hrs Hackathon For Recipe Sharing Platform   Feb '25
5th place - Amaravati Quantum Valley Hackathon 2025 for developing a solution focused on vehicle optimization.