K Hema Charan Reddy

Software Developer — Full Stack Developer

📍 Hyderabad, India   📞 +91-7893035588   ✉ hemacharan499@gmail.com

in linkedin.com/in/hema-charan-reddy   ⌗ github.com/HEMACHARANREDDY

Professional Summary

Computer Science student with strong skills in Full-Stack Web Development and Programming. Experienced in building dynamic web applications using JavaScript, React, Node.js, and MongoDB. Skilled in Data Structures, Algorithms, and Cloud Technologies. Specialized in Data Engineering with AI, focusing on data pipelines, analytics, and intelligent automation. Seeking a Software Developer role to apply my technical expertise and grow in the tech industry.

Education

Bachelor of Technology - Computer Science   *Expected May 2027*

Koneru Lakshmaiah Education Foundation, Hyderabad, India   GPA: 9.46 / 10

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks

Class XII   *2021 – 2023*

Sri Chaitanya College, India   Percentage: 86.2%

Technical Skills

- **Programming Languages:** Python,Java,c++, JavaScript,C, SQL, HTML5, CSS3
- **API Development Testing:** REST APIs,WebSockets,Postman,HTTP
- **Frontend Technologies:** React.js, Bootstrap, Material UI, Tailwind CSS, jQuery
- **Backend Technologies:** Node.js, Express.js, API Development, MongoDB
- **Databases:** MySQL, MongoDB, Database Design, SQL Queries
- **Tools:** Git, GitHub, VS Code, Netlify, Vercel
- **Cloud Computing:** AWS (Amazon Web Services),basic Azure
- **Core Concepts:** Object-Oriented Programming, Software Development, Agile, Scrum

Projects

Meal Mitra – Food Donation Web Application

Tech Stack: HTML5, CSS3, JavaScript, Node.js, Express.js, MongoDB, Twilio API, Gemini AI

- Built a web platform that connects food donors with NGOs and people in need, helping reduce food waste by 30%
- Created user login system and managed database using MongoDB and Express.js
- Added SMS notification feature using Twilio API for real-time alerts
- Integrated AI chatbot using Gemini AI to help users navigate the platform
- Designed mobile-friendly interface using TailwindCSS and Bootstrap
- Used Git and GitHub for code management and version control

Clean Mitra – Waste Management Application

Tech Stack: Java, JavaFX, MongoDB, Maven

- Developed desktop application with separate access for Admin, Driver, and User roles
- Built user interface using JavaFX with custom styling
- Managed data storage using MongoDB database
- Applied object-oriented programming concepts for clean code structure

Smart Speed Breaker – IoT Safety System

Tech Stack: Arduino, C++, Ultrasonic Sensor, Servo Motor

- Created IoT device that adjusts speed breaker height based on vehicle speed
- Programmed Arduino using C++ for sensor data processing
- Designed system to improve road safety in school zones

Certifications

- **AWS Certified Cloud Practitioner** – Amazon Web Services
- **MongoDB Certified Developer** – MongoDB University
- **Certified Advanced Automation Professional**

Additional Skills

- Learning Generative AI, Machine Learning, and Data Science through online courses
- Regular practice of coding problems on LeetCode and CodeChef platforms
- Building projects with AI and data analysis using Python
- Experience with REST APIs, JSON, and web application deployment

Leadership

- Founded Meal Mitra and Clean Mitra projects to solve food waste and cleanliness issues
- Led project development from planning to completion
- Managed team collaboration and code reviews