MANOHAR REDDY

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Technical Skills

Languages: Core Java, Java 8, SQL, HTML, CSS, Shell Scripting
DataBase: MySql, Firestore
Developer Tools: VS Code, Eclipse, Git, Github
Technologies/Frameworks: AWS, GCP Terraform, Jenkins, GitHub Actions, Docker, Linux Ubuntu,,
Other: Data Structure & Algorithms, OOPs, Problem Solving

Projects

CI/CD Pipeline for Node.js Application (DevOps Project) | GitHub Link   *Jenkins · Git · Docker · AWS EC2*
- Developed an automated end-to-end CI/CD pipeline for a Node.js application to streamline the build, test, and deployment process.
- Configured **Jenkins** to trigger builds on GitHub commits using **webhooks**, enabling continuous integration.
- Wrote a declarative **Jenkinsfile** to automate stages: build, test, Docker image creation, and deployment.
- Containerized the application using **Docker** and deployed the image to an **AWS EC2** instance.
- Ensured consistent and repeatable deployments following Infrastructure as Code (IaC) and DevOps best practices.

InstaMech – Vehicle Breakdown Assistance Platform | GitHub Link   *Firebase · Leaflet.js · Firestore · JavaScript · Firebase Auth Geolocation API*
- Developed a real-time web platform that connects travelers with nearby mechanics (within a 10 km radius) using live geolocation.
- Integrated **Firebase Authentication** for secure user login and role-based access (Traveler, Mechanic, Admin).
- Used **Firestore** to store mechanic data and real-time location updates.
- Implemented dynamic maps with **Leaflet.js**, showing available mechanics based on the user's current location.
- Built a responsive UI with real-time filtering by distance and availability to enhance user experience
- Live demo at Link**.**

Education

kalasalingam university	**Madurai**
computer science Bachelors CGPA: 7.3	Aug/2022 - July/2026
Sri Chaitanya Jr College	**Hyderabad**
MPC Junior college CGPA: 8.9	July/2020 - March/2022
Sri Sai Public School	**Hyderabad**
Percentage: 78%	July/2020

Achievements/Extracurricular Activities

- **Member – Computer Society of India (CSI):** Active participant in tech events, coding contests, and knowledge-sharing sessions to stay updated with industry trends.
- **Competitive Programming:** Solved **150+ problems on** Leetcode and **300+ problems on GeeksforGeeks**, consistently improving problem-solving and DSA skills.
- **Tech Blogging & LinkedIn Sharing:** Regularly share DevOps/cloud insights, project highlights, and learning updates with the developer community on LinkedIn and Github
- **Hackathons & Ideathons:** Developed innovative solutions like *Fit Energy* and *AgriSense* during college-level hackathons.
- **UI/UX Design:** Used Figma to design user-friendly interfaces for projects like *FarmTech* and *InstaMech*.
- **Workshop Participation:** Attended hands-on workshops on **AWS, Docker, Jenkins, and Kubernetes**, gaining practical DevOps exposure.
- **English Communication Practice:** Actively working on improving spoken English through mock interviews and online practice tools.