

Rohit Vardhan Battula

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Profile Summary

Software Engineer with 1.5+ years of experience specializing in **Java (Spring Boot)**, **Go (Golang)**, and **Node.js**. Expert in architecting **Model Context Protocol (MCP)** servers to bridge Large Language Models with on-premise data and designing enterprise ecosystems. Strong problem-solver with **700+** DSA problems solved across major platforms.

Education

BITS Pilani (Work Integrated Learning Programmes) <i>M.Tech in Software Engineering</i>	Hyderabad, India Expected Jul 2027
University College of Engineering, Osmania University <i>B.E. in Computer Science and Engineering (CGPA: 9.09)</i>	Hyderabad, India Jun 2024

Technical Skills

Languages: Java (Spring Boot), Go (Golang), C++, JavaScript (ES6+), Python, SQL, HTML/CSS

Web Technologies: Node.js, React.js, Express.js, Microservices, MCP SDK, RESTful APIs, WebSockets

Databases & Cloud: PostgreSQL, MongoDB, Redis, Docker, Kubernetes, AWS (EC2/S3), CI/CD pipelines

Core Subjects: Data Structures & Algorithms, System Design (LLD/HLD), OS, DBMS, Computer Networks

Developer Tools: Git/GitHub, Postman, VS Code, Linux/Unix, Agile Methodologies, Jira

Experience

The Hackett Group <i>Software Engineer</i>	Aug 2024 – Present Hyderabad, India
<ul style="list-style-type: none">Engineered a Model Context Protocol (MCP) Server using Node.js, facilitating secure communication between LLMs and on-premise systems for real-time, context-aware AI interactions.Architected an enterprise Vendor Portal utilizing Go and Java (Spring Boot), optimizing the system to handle high-concurrency transaction processing for 500+ monthly active users.Enhanced backend efficiency by 25% through the implementation of concurrent execution patterns in Go for document management and complex financial tracking modules.Implemented robust JWT authentication and Role-Based Access Control (RBAC) within the Java backend to ensure the integrity and security of sensitive financial data.Modernized frontend architecture using React, refactoring legacy code into modular components and reducing page load latency by 30% for a seamless user experience.	

Key Projects

Full-Stack Fitness Analytics Platform | MERN Stack, Redis

- Developed a comprehensive workout tracking application using **Node.js** and **React**, featuring interactive progress charts and activity logs.
- Designed a normalized **MongoDB** schema and integrated **Redis** for session caching, significantly reducing query response times for data-heavy analytics.

IoT-Based Plant Disease Classifier | Python, Computer Vision, Cloud

- Awarded Best Project:** Designed a mobile-controlled IoT system to detect plant diseases in real-time using CNN-based Machine Learning models.
- Integrated cloud-based backend services for real-time data synchronization, enabling remote monitoring for greenhouse operators via a mobile dashboard.

Achievements

Coding & Rankings: Solved **700+** problems on LeetCode/GFG; Secured State Rank **402** in TG EAPCET (among 100k+ candidates).

Competitions: Secured **3rd Rank** in Smart India Hackathon (College Level Selection Phase).

Certification: Google IT Automation with Python Professional Certificate.