R Jagadishwar Reddy

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Professional Summary

Computer Science Engineering graduate with a strong foundation in Data Structures & Algorithms, Object-Oriented Programming, and Software Engineering best practices. Experienced in developing and maintaining full-stack software applications, collaborating with cross-functional teams, and troubleshooting and debugging complex system issues. Proficient in Java and Python with hands-on exposure to REST API design, code reviews, and software development methodologies. Eager to apply strong problem-solving and analytical skills to deliver reliable, high-quality software solutions in a fast-paced engineering environment.

Experience

Android App Development Intern, Mindmatrix *Feb 2026 – May 2026*

- Developed a GenAI-powered Android application end-to-end, owning full-stack modules from UI to backend and applying object-oriented design and established coding standards to deliver enterprise estimation workflows.
- Designed and implemented REST APIs across service-oriented backend modules, enabling integration with third-party data sources and cross-team consumption.
- Drove unit and integration testing alongside code reviews to catch defects early, and aligned builds with CI/CD practices, measurably improving release quality.
- Partnered daily with cross-functional teams to translate business requirements into features, demonstrating strong organizational skills and task prioritization to iterate quickly on feedback in a fast-paced environment.

Projects

Enterprise Workflow Automation Platform | NestJS, Microservices, Kafka, PostgreSQL| GitHub *2026*

- Architected a microservices-based workflow automation platform using NestJS, applying API management and distributed system design principles to support multi-tenant business processes.
- Implemented Kafka-based event-driven messaging and distributed locking to ensure reliable, scalable coordination across services.
- Designed a multi-tenant PostgreSQL data layer and applied object-oriented, modular architecture to support business process improvement initiatives across client workflows.

AI-Powered Developer Knowledge & Learning Platform | MERN Stack, Microservices, AWS | GitHub *2025*

- Designed and developed a full-stack software application with a service-oriented backend, AI-powered code editor, and third-party API integrations, following structured software development methodologies end-to-end.
- Built secure, versioned REST APIs with layered, microservices-friendly architecture; conducted rigorous acceptance and unit testing achieving 80%+ coverage using Jest and Supertest, resolving defects surfaced through automated suites.
- Containerized the application with Docker and deployed on AWS EC2 with MongoDB Atlas; automated build, test, and release pipelines via GitHub Actions CI/CD.

Technical Skills

Programming Languages	Java, Python, JavaScript, SQL
Frameworks & Backend	Spring Boot, React.js, Node.js, Express.js, NestJS, REST APIs, Microservices
Databases	PostgreSQL, MySQL, MongoDB
Cloud & DevOps	AWS (EC2, S3), Docker, Git, CI/CD
Testing	Jest, Supertest, Unit Testing
Core CS Fundamentals	Data Structures & Algorithms, Object-Oriented Programming (OOP), DBMS, Operating Systems, Computer Networks

Education

Bachelor of Engineering in Computer Science, K S Institute of Technology, Bengaluru *2022 – 2026*
CGPA: 8.12 / 10.0

Certifications & Publications

- AI Fluency Framework & Foundations – Anthropic, Jun 2026
- Oracle Cloud Infrastructure 2025 Certified Foundations Associate – Oracle, 2025
- GitHub Foundations Certified – GitHub, Jul 2024
- Publication: R Jagadishwar Reddy et al., "AI-Driven Vision Assistance for Visually Impaired" – IJRASET, 2025