Rallapalli Govardhan Reddy

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Education

Madanapalle Institute of Technology & Science — Andhra Pradesh
B.Tech in Computer Science and Engineering (Cyber Security) — CGPA: 7.6/10 — *2021 – 2025*

Project Experience

School Management Application | *Java, Spring Boot, REST APIs, MySQL, Spring Data JPA, JWT, Spring Batch, AWS EC2,*

- Developed **15+ REST API endpoints** for student, teacher, class, and academic record management using Java and Spring Boot.
- Designed and implemented **5 MySQL database tables** with data access operations and secured endpoints using JWT-based authentication and hierarchical role-based authorization for Parent, Teacher, and Admin users.
- Implemented Spring Batch for bulk processing of student and academic records and used Spring AOP for centralized logging and other cross-cutting concerns.
- Configured **GitHub Actions CI/CD** and deployed the application on **AWS EC2**, using **Amazon S3** for file storage.

Secure Messaging Application | *Java, Spring Boot, REST APIs, React.js, Next.js, Socket.IO, WebRTC, ZEGOCLOUD, JWT*

- Developed a full-stack real-time messaging application using Java and Spring Boot, implementing REST APIs and Socket.IO for instant messaging and live typing indicators.
- Built responsive interfaces using React.js and Next.js and integrated WebRTC with ZEGOCLOUD SDK for real-time voice and video communication.
- Implemented JWT-based authentication and authorization, end-to-end encryption for secure messaging, and OWASP-based protections against common XSS and CSRF vulnerabilities.
- Used Maven for build management and JUnit for unit testing, with Git and GitHub for version control.

Technical Skills

Languages: Java, C#, Python, SQL

Backend: Spring Boot, Spring MVC, Spring Data JPA, Hibernate, REST APIs, JDBC, Microservices, Servlets, JSP, .NET Core, ASP.NET MVC, Entity Framework

Frontend: React.js, Next.js, JavaScript (ES6+), HTML5, CSS3, Thymeleaf

Databases: MySQL, Oracle SQL, PL/SQL, Database Design

Security & Testing: JWT, OAuth2, End-to-End Encryption, XSS/CSRF Protection, OWASP, JUnit, Postman

Cloud & DevOps: AWS EC2, Amazon S3, GitHub Actions, CI/CD, Docker, Git, GitHub, Maven, Gradle

Systems & Tools: Linux/Unix, Shell Scripting, IntelliJ IDEA, Eclipse, VS Code, PuTTY

Core Concepts: OOP, Data Structures & Algorithms, Java Collections, Streams, Lambdas, Optional, SOLID Principles, Requirement Analysis, Database Design

Certifications

Oracle Agentic AI Certified Foundations Associate — Oracle — Certificate

Database Foundations: Intro to Databases — LinkedIn Learning — Certificate

Getting Started as a Java Developer — LinkedIn Learning — Certificate

Getting Started in Spring Development — LinkedIn Learning — Certificate

Complete Guide to Apache Kafka for Beginners — LinkedIn Learning — Certificate