

Krish Singh

xprilion.com
github.com/krish561

krishsingh1652@gmail.com
+91-6302281907

EDUCATION

- **Osmania University**, Hyderabad, India Nov 2022 – Dec 2024
Master of Science in Computer Science (GPA: 7.03)
Courses: Operating Systems, Advanced Java, Algorithms, AI, Networking, Compiler Design
- **G. Pulla Reddy Degree College**, Hyderabad, India Aug 2019 – Sep 2022
Bachelor of Science in Mathematics & Computer Science (GPA: 8.41)
Courses: Programming, Databases, Data Structures, Group Theory, Calculus

SKILLS SUMMARY

- **Languages:** Java, JavaScript, SQL, Python
- **Frameworks:** Spring Boot, Spring MVC, Hibernate/JPA, REST APIs, Node.js, React
- **Databases & Tools:** PostgreSQL, MySQL, Docker, Git
- **Core Strengths:** Problem Solving, Team Collaboration

PROJECTS

- **E-Commerce Microservices Platform** (*Java, Spring Boot, Docker, PostgreSQL*)
 - Designed Product, Order and User microservices enabling independent deployment and scalability.
 - Built RESTful APIs and inter-service communication; containerized services using Docker.
 - Optimized database queries and caching, reducing API response times by ~40%.
 - GitHub: github.com/krish561/E-comm
- **Delivery Tracking Microservice** (*Java, Spring Boot, PostgreSQL, Docker*)
 - Implemented delivery status, driver assignment and route tracking with transactional integrity.
 - Added health checks and structured logging for observability.
 - Containerized the service for consistent development and testing environments.
 - GitHub: github.com/krish561/DT
- **Inventory Management System Module** (*Java, Spring Boot, MySQL*)
 - Developed REST APIs for inventory, stock tracking and order fulfillment.
 - Implemented automated low-stock alerts and optimized SQL queries.
 - GitHub: github.com/krish561/RM
- **Code Companion – Java Web IDE** (*React, Node.js, PostgreSQL*)
 - Built an IDE with AST-based optimization suggestions and a responsive React frontend.
 - Improved syntax checking by ~50% using multi-threaded AST processing.
 - Implemented LRU caching and thread-safe singleton patterns to reduce memory usage by ~30%.
 - GitHub: github.com/krish561/CodeCompanion

CERTIFICATIONS & LEARNING

- Spring Boot 3, Spring Framework 6 & Hibernate — Chad Darby (Udemy)
- HTML & CSS: Go Deeper Than Projects — Udemy
- Actively practicing Data Structures & Algorithms on LeetCode

ADDITIONAL INFORMATION

- Problem Solving: Regular LeetCode practice (leetcode.com/u/krish165)
- Development Environment: Linux (Fedora), IntelliJ IDEA
- Interests: Backend architecture, performance optimization, clean code