

JAIKUMAR R

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Summary

Passionate Software Developer & AI Enthusiast with proven experience in Java, Spring Boot, HTML, CSS, and MySQL, specializing in backend development and cybersecurity. Successfully delivered enterprise-scale projects in learning and healthcare domains, optimizing performance, scalability, and security. Skilled at problem-solving, AI-driven solutions, data-driven development, and collaborative engineering.

Education

Misrimal Navajee Munoth Jain Engineering College

Nov 2022 - Nov 2026

Bachelor of Technology in Information Technology (CGPA: 8.2)

Experience

Java Developer Intern | *Cothon Solutions*

Mar 2025 – May 2025

- Reduced **manual course allocation time by 35%** by building a **secure LMS backend** using **Spring Boot, MySQL, and JWT authentication**.
- Increased **patient engagement by 22%** by developing **Cure Buddy Healthcare App backend** with **Spring Boot + PostgreSQL**, integrating **ML-based health analysis and smart alerts**.

Infosys Springboard Intern | *Internship 6.0 Batch 1*

Aug 2025 – Oct 2025

- Improved **appointment booking efficiency by 40%** through development of an **enterprise-level Spring Boot platform** for medical scheduling & patient record management.
- Collaborated in a **13-member backend team**, applying **secure coding practices** to enhance application reliability and scalability.

Projects

MedVault – Appointment Booking | React.js, Java, Spring Boot, MySQL, Postman, Git

Aug2025 - Oct 2025

- Improved **patient-doctor interaction efficiency by 40%** by building a secure **EHR system** with React.js frontend dashboards, Spring Boot backend (role-based access), and optimized MySQL schema for 1,000+ records.
- Reduced **API failure rate by 25%** through **end-to-end testing & debugging with Postman**, ensuring smooth integration and reliable healthcare data management.

Cure Buddy Healthcare App | Java, Spring Boot, PostgreSQL, ML

Apr 2025 - May 2025

- Generated **automated ML-based health reports with 90% accuracy**, reducing report turnaround time by 50%.
- Enabled **smart alerts** for patients, improving **preventive care adoption by 18%**.

LMS Backend System | Java, Spring Boot, MySQL, JWT

Mar 2025 - Apr 2025

- Decreased **user login errors by 28%** with JWT-based authentication and role-specific access.
- Delivered **REST APIs** powering real-time course management for 500+ student users.

Skills

- Programming & Backend:** Java, Spring Boot, REST APIs, MySQL, PostgreSQL
- Frontend & Tools:** HTML, CSS, JavaScript, Postman, Git, JUnit, Mockito
- Networking & Security:** Cybersecurity Basics, Networking Concepts, Kali Linux, Burp Suite
- Soft Skills:** Problem-Solving, Communication, Collaboration, Attention to Detail
- Languages:** Tamil, English

Certificates

- Java Masterclass 2025 – 130+ Hours** (Udemy)
- Java Data Structures & Algorithms + LeetCode Exercises** (Udemy)
- Cybersecurity Tools & Cyberattacks** (Coursera)
- Networks and Cyber Security** (Cisco)

Achievements

- Solved **50+ LeetCode problems**, strengthening **DSA problem-solving skills**.
- Attended **Build Your Website in 10 Minutes with AI** workshop (Mar 2025).
- Selected for **Microsoft Copilot Masterclass (SkillNation)** for hands-on exposure to AI-powered productivity tools.