

AYUSH RAJ

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*I'm a passionate **Java backend-focused full-stack developer** who enjoys building scalable applications and solving real-world problems. I love exploring new technologies and continuously improving my skills. Currently, I'm focused on designing clean backend architectures with Spring Boot, exploring modern tools, and contributing to full-stack projects that deliver real user impact.*

EDUCATION

Kalasalingam Academy of Research and Education, Tamil Nadu
Bachelor of Technology in Information Technology
Expected May 2026
CGPA: 7.48

WORK EXPERIENCE

Java Development Intern

Jan 2024 – Mar 2024

- Built an ATM simulation system supporting core functionalities like balance inquiry, withdrawals and deposits.
- Leveraged Object-Oriented Programming (OOP) principles to ensure a clean, modular and maintainable codebase.
- Strengthened real-world Java development capabilities through practical application

PROJECTS

Personal Portfolio Website

React.js, Tailwind CSS, Spring Boot, Framer Motion

- Engineered a full-stack portfolio application from concept to deployment, featuring a React.js frontend and a Spring Boot REST API backend.
- Orchestrated the complete deployment pipeline, hosting the frontend on Vercel and the backend on Render, demonstrating proficiency in modern CI/CD practices.
- Integrated a secure, email-enabled contact form feature to streamline professional communication.

User Management System

Spring Boot, Next.js, Tailwind CSS, JWT, MySQL, REST API

- Developed a secure, scalable management application with JWT-based authentication
- Implemented role-based access control and RESTful APIs using Spring Boot
- Built responsive frontend using Next.js and Tailwind CSS.

Facial Recognition using CNN

Python, OpenCV, TensorFlow, CNN

- Developed a real-time facial emotion detection system using CNN with webcam input
- Trained on FER-2013 dataset to accurately classify emotions
- Applied data augmentation and fine-tuned model for improved prediction accuracy

Certifications

- **HACK-KARE Hackathon** – Ranked top 10 out of 100+ teams at KARE
- **Java Spring Framework 6 & Spring Boot 3** – REST APIs, Spring Data, DI
- **Web Development** – Frontend & backend fundamentals

SKILLS & INTERESTS

- **Programming Languages:** Java, JavaScript, HTML, Tailwind CSS
Framework: Spring Boot, REST APIs, React
Database: MongoDB, MySQL
Tools: Git, Thunder client, maven
- **Languages:** English, Hindi