

AYUSH RAJ

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I'm a passionate Java Backend Developer eager to build scalable and meaningful backend systems. I enjoy exploring new technologies and continuously improving my skills. I aim to contribute to impactful projects and write clean, efficient code. Currently focused on deepening my expertise in Spring Boot and backend architecture.

EDUCATION

Kalasalingam Academy of Research and Education, Tamil Nadu
Bachelor of Technology in Information Technology
Expected May 2026 CGPA: 7.47

WORK EXPERIENCE

Java Development Intern

Jan 2024 – Mar 2024

- Built an ATM simulation system with core features like balance inquiry, withdrawals, and deposits
- Applied Object-Oriented Programming (OOP) for clean, modular code
- Improved Java development skills in real-time application scenarios

PROJECTS

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

Smart Meal Revival System

PHP, MySQL, HTML, CSS, JavaScript

- Built a donation web platform for distributing meals to the underprivileged
- Developed secure authentication, donation tracking, and admin content tools
- Presented and published research paper on this platform

ACHIEVEMENTS

- **HACK-KARE Hackathon** – Ranked top 10 out of 100+ teams at KARE
- **AI GENIUS FORGE** – Built a real-time ML tool prototype in 24 hours
- **Smart India Hackathon** – Shortlisted among top 30 teams.

SKILLS & INTERESTS

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