Ansh Tamrakar

Java Developer — Development & Automation Systems — Spring Boot — AIML Enthusiast
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Experience

IT Intern — **Remote**
Reqpedia — *October 2025 – Present*

- Built a GenAI-powered image generation pipeline using FastAPI and NanoBanana model to generate studio-quality photoshoot images with customizable model appearance, poses, and camera angles.
- Designed backend workflows using PostgreSQL for metadata management and prompt configuration, enabling automated generation of images and short videos with improved scalability and response time.

Full Stack Java Intern — **Pune, Maharashtra**
Adyanta Semiconductors — *July 2025 – Sept 2025*

- Developed a microservice-based training module using React.js, Spring Boot, MySQL, and Supabase, improving training participation by 25% through real-time progress tracking.
- Orchestrated services on Kubernetes and automated provisioning with Ansible, reducing deployment time by 20%.
- Implemented CI/CD pipelines with Jenkins to automate build–test–deploy workflows, improving release by 50%.
- Configured an IoT device management system leveraging Spring Boot, MQTT, and Nginx for real-time telemetry, improving system uptime by 35% under high concurrency.

Projects

AssessAI: AI-integrated Classroom Platform — Live: AssessAI ↗

- Engineered aa distributed full-stack platform automating assignment creation, evaluation, and grading using Spring Boot, React, and LLM-based agents, improving assessment efficiency by 40%.
- Integrated AI-driven MCQ and descriptive question generation achieving 90% accuracy in automated grading and personalized feedback pipelines.
- Enhanced JWT, OAuth2, and Two-Factor Authentication to reinforce platform security and reduce unauthorized access by 45%.

Adyanta: Training and Workshop Website — Live: Adyanta ↗

- Built a scalable full-stack training enrollment platform using React.js, Spring Boot, MySQL, and Supabase for secure user management and authentication.
- Deployed via Docker, Kubernetes and Jenkins, ensuring high availability and low-latency synchronization and continuity.
- Enhanced adaptive training and workshop content management and rendering to streamline user onboarding, increasing training participation by 25%.

Technical Skills

Languages: Java, Python, C, SQL, Bash, HTML, CSS, JavaScript
Frameworks & Libraries: Spring Boot, Spring Data JPA, Spring Security, FastAPI, Hibernate, React.js
Databases: MySQL, PostgreSQL, Supabase, MongoDB
Cloud and DevOps: Linux, Git, Postman, Jenkins, AWS, Docker, Kubernetes
Core CS Areas: Data Structures & Algorithms, Operating Systems, Networking, System Design

Education

Acropolis Institute of Technology and Research, Indore — *2022 – 2026*
Bachelor of Technology in Computer Science and Engineering — **CGPA: 7.36**

Holy Family Convent Sr. Sec. School Khurai, Sagar — *2021 – 2022*
12th standard from CBSE Board — **Percentage: 88.6**

Certifications and Achievements

- Solved 300+ DSA problems on LeetCode, strengthening problem-solving and algorithmic optimization.
- AWS Academy Cloud Foundations (Dec 2024): Cloud infrastructure, architecture, and deployment automation
- NPTEL – Computer Networks (May 2025) – Specialized in TCP/IP, routing, VPNs, and fault-tolerant architectures.
- Cisco Networking Academy (July 2025) – Certified in network configuration, routing, and network security.
- Secured 7th position at Innohacks Hackathon (KIET, New Delhi), developing an innovative web solution under 36 hours.