Ansh Tamrakar

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[LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [Portfolio](#)

Experience

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

- Developed a comprehensive training module using React.js, Spring Boot, MySQL, and Supabase for user enrollment and authentication, improving training participation by 25% through intuitive workflows and real-time progress tracking.
- Deployed and orchestrated multi-service environments using Kubernetes and Ansible, automating infrastructure provisioning and achieving 20% faster deployments with optimised system reliability.
- Implemented CI/CD pipelines with Jenkins, automating build, test, and deployment workflows to increase release frequency by 50% and reduce manual errors.
- Configured IoT device management platform leveraging Spring Boot, MQTT, and Nginx for real-time device telemetry, improving system uptime by 35% under high concurrency.

Projects

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

- Engineered an end-to-end 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.
- Designed data-driven performance analytics and customized feedback modules, enhancing student learning outcomes and engagement.

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.
- Enhanced adaptive training and workshop content management and rendering to streamline user onboarding, increasing training participation by 25%.
- Executed real-time data handling and RESTful APIs for real-time synchronization between frontend and backend, improving user experience and system reliability.

CineSlate: Movie Review Platform — [GitHub: CineSlate ↗](#)

- Designed and developed a secure review and recommendation platform using Spring Boot, Thymeleaf, and JPA, supporting user authentication, reviews, and customized watchlists to improve content discoverability by 30%.
- Implemented JWT, OAuth2, and Two-Factor Authentication to reinforce platform security and reduce unauthorized access by 45%.

Technical Skills

Languages: Java, Python, C, SQL, JavaScript, HTML, CSS
Frameworks & Libraries: Spring Boot, Spring MVC, Spring Data JPA, Spring Security, Hibernate, React.js
Databases: MySQL, PostgreSQL, Supabase, MongoDB
Tools & Platforms: Git, Jenkins, Docker, Kubernetes, Ansible, AWS, Linux, Postman
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, improving algorithmic efficiency and problem-solving speed by 60%.
- AWS Academy Cloud Foundations (Dec 2024): Cloud infrastructure, architecture, and deployment automation.
- NPTEL – Computer Networks (May 2025): Specialized in TCP/IP, routing, and fault-tolerant network design.
- Cisco Networking Academy (July 2025): Certified in network configuration, routing protocols, and security.
- Secured 7th position at Innohacks Hackathon (KIET, New Delhi), developing an innovative web solution under 36 hours.