

# Ansh Tamrakar

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## Career Objective

To leverage experience as a Full Stack Java Developer at Adyanta Semiconductors, applying expertise in Java, Spring Boot, React, and AWS to build secure, scalable, and high-performance applications. With a focus on advancing skills in cloud computing, DevOps, and system design, aiming to contribute to organizational success and innovation.

## Experience

### Full Stack Java Intern

Adyanta Semiconductors

Pune, Maharashtra

July 2025 – Present

- Developed the training module UI using React.js, ensuring responsive design and improved user experience.
- Built and integrated backend services with Spring Boot, Spring MVC, and Spring Data JPA for secure data handling and seamless API communication.
- Deployed the application on local servers, configuring environments for stable development and staging.
- Implemented CI/CD pipelines in Jenkins, automating build, test, and deployment, reducing manual effort and improving delivery efficiency.

## Projects

### AssessAI: AI-integrated Classroom Platform

[tmp-assessai.vercel.app/](https://tmp-assessai.vercel.app/) 

- Engineered full-stack AI-powered classroom platform to automate assignment creation, evaluation, and grading.
- Integrated LLM-based models to generate diverse MCQs and descriptive questions, achieving 90% accuracy in automated scoring.
- Designed personalized feedback and performance insights module, improving student learning through data analytics.

### CineSlate: Movie Review Platform

- Developed secure full-stack movie review platform using ReactJS, Spring Boot, and JPA with user ratings, reviews, and personalized watchlists.
- Implemented JWT, OAuth2, and Two-Factor Authentication (2FA), enhancing platform security .
- Applied encrypted storage and role-based access control (RBAC) to safeguard user data, ensuring privacy standards.

### TongueFu

- Built AI-powered speech therapy web platform using ReactJS, ExpressJS, MongoDB with Web Audio API and TensorFlow for real-time speech analysis, achieving 85% accuracy in stammering detection.
- Developed gamified therapy modules with Redux, three.js, Chart.js, WebSocket connections and JWT authentication, improving user engagement by 50% through personalized tracking algorithms.
- Integrated automated chatbot using OpenAI API, reducing manual intervention by 60%.

## Technical Skills

**Languages:** Java, C, SQL, Python (Basics), HTML, CSS, JavaScript

**Frameworks:** Spring Boot, Spring MVC, Spring Data JPA, Spring Security, Hibernate, ReactJs

**Databases:** MySQL, PostgreSQL, Supabase

**Developer Tools:** Git, Jenkins, AWS, Linux, Postman

## Education

### Acropolis Institute of Technology and Research, Indore

Bachelor of Technology in Computer Science and Engineering

Oct 2022 – Present

- CGPA: 7.36

### Holy Family Convent Sr. Sec. School Khurai, Sagar

12th standard from CBSE Board

2021 – 2022

- Percentage: 88.6

## Certifications and Achievements

- AWS Academy – Cloud Foundations (Dec 2024)
- NPTEL Certification – Computer Networks (May 2025)
- Cisco Networking Academy – Networking Essentials Certified (July 2025)