Nakshatra Jain

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Available for Summer 2026 Internships — Full-time from June 2027

SUMMARY

Backend-focused Computer Science student specializing in Cloud Computing and Automation (May 2027). Hands-on experience building and deploying Spring Boot microservices and full-stack applications with emphasis on REST APIs, authentication, database optimization, and Docker-based CI/CD pipelines.

TECHNICAL SKILLS

Backend: Java (8/11/17), Spring Boot, Spring Security, REST APIs, Microservices

Databases: PostgreSQL, MySQL, Spring Data JPA, Indexing, Query Optimization

Frontend: React.js, JavaScript, Tailwind CSS, HTML, CSS

Cloud & DevOps: AWS (EC2, S3, RDS, IAM), Docker, CI/CD, GitHub Actions; *Exposure: OCI, Jenkins, Azure*

Tools: Git, Maven, JUnit, Mockito, Postman, Linux, Bash

PROJECTS

NeuralNest – Cognitive Load Monitoring Platform — Nov 2025 – Jan 2026
Full-Stack System — *React, Spring Boot, PostgreSQL, Docker*

- Built and deployed a full-stack system capturing browser-level signals to compute real-time cognitive load; validated under simulated load with sub-200ms API latency and 99.5% uptime.
- Implemented Spring Boot APIs with JWT-based authentication and role-based authorization; optimized PostgreSQL queries and indexing to reduce critical endpoint latency by 60%.
- Developed a responsive React dashboard with real-time charts; improved page load performance by 40% using code splitting and caching; automated CI/CD using Docker.
- Defined service boundaries, API contracts, and database schema to support horizontal scaling; documented architecture and design decisions in GitHub.

E-Commerce Backend API – Microservices — May 2024 – Jul 2024
Backend System — *Spring Boot, MySQL, Docker*

- Developed microservices for catalog, orders, and authentication with JWT-based security and standardized error handling.
- Designed normalized MySQL schema, implemented custom JPA queries, achieved 80% unit test coverage, and integrated CI/CD pipelines with API versioning.

INDUSTRY SIMULATION

Cloud Engineering Simulation — Apr 2025 – Jun 2025
AWS Solutions Architecture (Forage) — *Remote*

- Designed high-availability AWS architectures using EC2, S3, RDS, and VPC; applied IAM best practices and cost optimization aligned with AWS Well-Architected Framework.

EDUCATION

VIT Bhopal University — Bhopal, MP
B.Tech in Computer Science (Cloud Computing & Automation) – CGPA: 8.55/10 — *Aug 2023 – May 2027*

CERTIFICATIONS

OCI Architect Associate, OCI DevOps Professional, OCI Foundations

AWS Solutions Architect (Forage), Microsoft Azure Data Fundamentals

HackerRank Java (Basic), Bits and Bytes of Networking (Coursera)