

NIKHIL KUMAR KARANKOT

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SKILLS SUMMARY

- **Languages:** C, Java, JavaScript
- **Frameworks:** Spring Boot, Hibernate, Microservices, Rest APIs, MVC
- **Tools:** GIT, Docker, Kubernetes,Kafka, MySQL, PostgreSQL, OracleDB, MongoDB
- **Cloud Platform:** AWS (CodePipeline, Cloud deployments)

EXPERIENCE

- **Tata Consultancy Services**
Java Developer (Full-time)

Pune, Maharashtra
 Feb 2022 - Present

 - Architected and deployed scalable microservices with Java, Spring Boot, and **REST APIs** to ensure modularity and high availability.
 - Integrated and optimized relational databases using Hibernate **ORM and JPA**, eliminating **N+1 queries, tuning joins**, and **implementing caching** for faster data access.
 - Executed **concurrency management**, **leveraging thread pools** and **asynchronous processing**.
 - Collaborated with DevOps teams to architect and build **deployments on AWS resources**, leveraging Docker, Kubernetes, and CI/CD pipelines to deliver secure, containerized, and production-ready applications.
 - Executed robust API security with **JWT, OAuth2**, and **role-based access controls** to safeguard sensitive data and enforce compliance.
- **Kodnest Technologies PVT LMT**
Java Developer Intern(Part-time)

Remote
 Aug 2021 - Jan 2022

 - **Enhanced & Maintained REST APIs** using spring boot for **back-end operations**.
 - Implemented Spring Data JPA to streamline database operations, reducing manual query code by 40 percent and accelerating CRUD development cycles.
 - Collaborated with senior developers in code reviews to enforce best practices, **improve code readability and optimize performance**.

EDUCATION

- **Sri Indu College of Engineering**
Bachelor of Technology - Electronic's and Communication Engineering; **CGPA: 7.40**
Subjects: Operating Systems, Object Oriented Programming, Networking, Databases, Cloud Computing
Hyderabad, Telangana
July 2018 - June 2021

PROJECTS

- **Portfolio Chatbot Assistant — AI-powered Personal Assistant (Skills :-Java, Spring boot, PostgreSQL (Vector DB)):**
 - * **Developed an intelligent portfolio chatbot integrating Retrieval-Augmented Generation (RAG)** and Mistral API to dynamically answer recruiter queries about candidate skills and experience.
 - * **Executed document ingestion (PDF/DOC resume parsing) and vector-based semantic search using embeddings** for context-aware responses.
 - * Developed the full-stack system using React (frontend) and Spring Boot (backend) with API integration for **real-time conversational AI**. Focused on **context retention, structured candidate profiling**, and **natural language understanding** for seamless recruiter interaction.
- **eCommerce Microservices Application — Secure, Scalable Order Platform(Skills :- Java, Spring Boot, Hibernate, Microservices, Keycloak, Kafka, OAuth2):**
 - * **Developed a microservices-based eCommerce system** using Spring Boot, enabling **scalable, secure service communication**.
 - * **Integrated Keycloak for OAuth2/JWT-based authentication and authorization across distributed services**.
 - * Developed an **API Gateway for routing, JWT validation**, and **centralized request management**.
 - * **Utilized Kafka for asynchronous order and notification workflows, improving reliability and throughput**.
 - * Deployed with **Docker and Kubernetes**; used Oracle DB for transactional data persistence.
- **Job Portal Application — Dual-Profile Recruitment Platform(Skills :- Java, Spring boot, MySQL, Thymleaf):**
 - * **Developed a job portal supporting two roles Recruiter and Job Seeker — enabling end-to-end hiring workflows**.
 - * Recruiters can create and manage **job postings by location, role, and skill requirements**.
 - * Job Seekers can search and **apply for jobs based on skills and preferred locations**, and **upload resumes** for recruiter access.
 - * **Executed file upload/download functionality for resumes**, ensuring secure data handling and accessibility.
 - * Built using **Java, Spring Boot, Thymeleaf templates, and MySQL** for a dynamic, server-rendered web experience.