

SAHIL

+91-9812591172 • sahil.sheoran.agroha@gmail.com • [LinkedIn](#) • [LeetCode](#) • [GitHub](#) • [Portfolio](#)

EDUCATION

Indian Institute of Information Technology, Bhopal, India

Aug 2023 – May 2027

B.Tech in Information Technology

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, System Design, Database Management Systems, Operating Systems, Computer Networks

PROFESSIONAL EXPERIENCE

Full-Stack Development Intern | KT-20, Canada (Remote)

Apr 2026 – Jul 2026

- Developed and maintained scalable full-stack applications using **Java Spring Boot** and **React**, improving application performance and user experience for **10,000+ active users**.
- Designed and optimized RESTful APIs using Spring Boot, implemented secure backend services, and improved application performance through efficient API design and database optimization.
- Collaborated with cross-functional teams using **Git**, participated in code reviews, debugging, and Agile development practices to deliver reliable, production-ready features with faster release cycles.

SKILLS

Programming	Java, JavaScript (ES6+), TypeScript, Python, C++
Backend	Spring Boot, Spring MVC, Spring Cloud, Spring Security, RESTful APIs, JPA/Hibernate, JWT, RBAC, Microservices, API Gateway, Eureka, Feign Client
System Design	HLD, LLD, CAP Theorem, Load Balancing, Rate Limiting, Database Sharding, Horizontal Scaling, Caching Strategies, Event-Driven Architecture, SOLID Principles
Databases	PostgreSQL, MySQL, MongoDB, Redis, Query Optimization, Indexing, Transaction Management, Connection Pooling, ORM
DevOps & Cloud	Docker, Docker Compose, GitHub Actions, CI/CD Pipelines, AWS EC2, AWS S3, Linux, Shell Scripting, Vercel
Messaging	Apache Kafka, Asynchronous Processing, Event-Driven Workflows, Message Queues, Producer-Consumer Pattern
Frontend	React.js, Next.js, HTML5, CSS3, Tailwind CSS, REST API Integration
Tools	OpenAI API, Gemini API, Razorpay SDK, Swagger/OpenAPI, Postman, Maven, Git

PROJECTS

NexaMed – AI Healthcare & Learning Platform — Spring Boot, Spring Cloud, Kafka, Redis, PostgreSQL, Docker, OpenAI API [GitHub](#)

- Architected 9 independently deployable microservices (Auth, API Gateway, Course, Notification, AI Service) using Domain-Driven Design; Spring Cloud Config + Eureka for service discovery and fault-tolerant resilience.
- Slashed notification latency by 60%** by replacing synchronous REST calls with Apache Kafka event-driven messaging; processes 1,000+ concurrent events without blocking primary request threads.
- Eliminated 90% of unauthorized access** via JWT + RBAC; accelerated read endpoints by 40% with cache-aside TTL strategy; integrated OpenAI API shrinking quiz creation from 10 min to 2 sec.

E-Baazar – Scalable E-Commerce Platform — Spring Boot, PostgreSQL, Redis, Docker, Razorpay, Gemini API, React.js [GitHub](#) | [Live](#)

- Engineered multi-tenant RBAC backend (Admin, Seller, Customer) applying Strategy and Factory design patterns; enforced strict cross-tenant data isolation across 100% of API endpoints.
- Boosted API response time by 40%** combining distributed cache + composite DB indexes; sub-3-second Razorpay checkout; React.js on Vercel + Spring Boot on Render with GitHub Actions CI/CD pipeline.

Hiredly – AI-Powered Multi-Tenant Job Portal — Spring Boot, MySQL, Gemini API, Docker, React.js [GitHub](#)

- Optimized database latency by 35% applying composite MySQL indexes, cursor-based pagination, and query rewrites across 10+ high-traffic job listing and candidate search endpoints.
- Halved manual HR screening effort via Gemini API AI-driven interview assessment with real-time scoring; reduced error response time by 45% through async email queuing and centralized exception handling.

ACHIEVEMENTS

- Flipkart Grid 7.0:** Cleared the DSA-based online assessment round and advanced to the next stage of the competition as part of a college team.
- Smart India Hackathon 2024:** Selected to represent IIIT Bhopal; contributed to backend development in a 6-member team, building REST APIs and database schema for a national government problem statement.
- Secured 92.8% in Class X (CBSE, 2020) and 89.2% in Class XII (CBSE, 2022) — RIRS, Fatehabad.