

Divyansh Singh

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EDUCATION

DAYALBAGH EDUCATIONAL INSTITUTE

B.TECH, MECHANICAL ENGG.
(SPECIALIZATION: COMPUTER SCIENCE)

Grad. 2024 | Uttar Pradesh

ST STEPHEN SR. SEC. SCHOOL

INTERMEDIATE

May 2020 | Percentage: 86%

COURSEWORK

UNDERGRADUATE

Object Oriented Programming
Functional Programming in Java (Streams, Immutability)
Analysis and Design of Algorithms
System Design
R-DBMS
Computer Networks
Digital Image Processing

SKILLS

PROGRAMMING

Languages

- Advanced: Java (OOP + FP paradigms)
- Intermediate: JavaScript, Python, Go
- Novice: C++

Tools & Messaging

- Git • Linux (system-level debugging, scripting)
- Redis (caching internals, optimization)
- Docker
- Kafka, RabbitMQ

Cloud Platforms

- Azure & AWS (EC2, S3, IAM)

Frameworks & Libraries

- Spring Boot • React.js • Node.js
- Java Servlet

Databases

- MySQL • PostgreSQL • DynamoDB
- MongoDB

CODING PROFILE

- LeetCode:** Solved 550+ DSA problems; 1550+ rating in C++ and Java.
- CodeForces:** Achieved a 900+ rating in live contests.

EXPERIENCE

TATA CONSULTANCY SERVICES (TCS) | BACK-END DEVELOPER

Jan 2025 – Present | Gandhinagar, Gujarat

- Engineered backend components for a telecom platform using **Java (11+)**, **Spring Boot**, and **RDBMS**, enhancing performance and scalability in an **Agile/Scrum** environment.
- Designed and implemented **RESTful APIs** for user registration, billing, and service provisioning, reducing response times.
- Integrated **CI/CD pipelines** (Maven, Git, Docker), automating deployments to achieve faster release cycles.
- Ensured code quality via **JUnit/Mockito** testing, peer reviews, and adherence to **SOLID** principles and SDLC best practices.
- Applied **functional programming constructs in Java** (streams, immutability, declarative logic) for concise expression of complex business rules.

PROJECTS

LEARNSPHERE | BACKEND DEVELOPER

April 2025

- Built a microservices-based edtech platform with **5+ Spring Boot services**, integrating **PostgreSQL**, **RabbitMQ**, and **Redis** for high availability and intelligent inter-service communication.
- Secured workflows with **JWT**, **Spring Security**, and an **API Gateway**, enabling fine-grained authentication/authorization.
- Enhanced scalability with **Redis caching**, async messaging (**RabbitMQ**), and optimized DB queries, ensuring reliability under heavy load.
- Embedded a **self-service mindset**: structured logging, observability metrics, and monitoring to enable proactive troubleshooting.
- Aligned with modern DevOps by containerizing services with **Docker** and automating deployments via CI/CD.

NAMASTE COLLEGE | FULL STACK DEVELOPER

March 2024

- Developed a responsive platform using **Django**, **HTML**, **JavaScript**, and **Tailwind CSS**, improving campus-wide digital access.
- Delivered reusable modules (Placement Cell, Note Sharing) as **low-code style components**, empowering users to extend functionality without heavy dev effort.
- Facilitated alumni-student interaction and placement tracking, boosting employability visibility.
- Led a team of 4 through full SDLC phases, achieving a **95% user satisfaction score**.
- Gained exposure to **low-level system concepts** (threads, memory usage, caching strategies) while ensuring backend scalability.