

# Ayush Mishra

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## EDUCATION

### Delhi Technological University

*Bachelor of Technology in Electrical Engineering; CGPA: 8.65/10*

Delhi, India

2019

### DAV Public School (CBSE)

*Class XII; Percentage: 95.6%*

Delhi, India

2015

## EXPERIENCE

### Groupon

*Software Development Engineer 2*

Bengaluru, India

February 2024 - Present

- Designed and implemented a centralized Role-Based Access Control (RBAC) system for Groupon's user management using Spring Boot, JPA, and MapStruct.
- Built a RESTful API layer for managing permissions, roles, and role requests conforming to Open API specifications.

### Swiggy

*Software Development Engineer 2*

Delhi, India

September 2022 - February 2024

- Developed and maintained a high-performance search backend for Swiggy and Instamart, capable of handling massive query volumes with low latency. Enhanced search relevance through improved ranking algorithms, user context integration, and synonym/typo support using Elasticsearch.
- Optimized search infrastructure for performance, reliability, and cost-efficiency through ongoing initiatives like template simplification, data cleansing, and instrumentation improvements.
- Ensured optimal performance and availability of search infrastructure through proactive monitoring using Grafana, CloudWatch, and Opsgenie.

### MoEngage

*Senior Software Engineer*

Delhi, India

May 2022 - September 2022

- Designed and implemented an email notification system delivering timely alerts and notifications based on user-specific triggers, including a high-priority transactional email service for critical communications.

### Visa

*Software Engineer*

Bengaluru, India

July 2019 - May 2022

- Developed full-stack solutions for Visa Analytics Platform (VAP) and Visa Data Manager (VDM) using Spring Boot and React. Designed and implemented high-performance RESTful microservices and user-friendly interfaces to provide insights and performance metrics on payment transactions to the banking clients.
- Built a web application to analyze risk data in payment transactions across VisaNet and Cybersource, leveraging Adobe XD for UI design.
- Implemented a payment transaction data search engine application to empower banking clients with comprehensive data exploration.

### Ank Aha!

*Software Developer Intern*

Delhi, India

June 2018 - July 2018

- Built secure android chat app for NGOs, enabling real-time communication, polls & surveys, powered by Firebase.

## PROJECTS

**Android Weather App** | *Real-time weather data, and multi-day forecasts with interactive interface location detection.*

**Android Xylophone App** | *Implemented multi-touch realistic sound effects for virtual instrument.*

## TECHNICAL SKILLS

**Languages:** C++, Java, JavaScript, Python, SQL, HTML, CSS

**Technologies:** Spring Boot, Spring Web MVC framework, JPA, Hibernate, React  
Elasticsearch, Snowflake, DynamoDB, PostgreSQL, MySQL

**Others:** Git, AWS, Prometheus, Grafana, Android Development

## AWARDS & RECOGNITION

- Selected for Go Share Program: Developed UI for Payment System Risk team at Visa.
- Hackathon Honorable Mention: Developed innovative data product concept.
- Top 1% JEE Main: Demonstrated exceptional academic performance in engineering entrance exam.
- LIC Student of the Year Award: Recognized for outstanding high school achievements.