

# 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

### Swiggy

Delhi, India

*Software Development Engineer 2*

*September 2022 - Present*

- Developed and maintained the search backend for Swiggy and Instamart, capable of handling high query volumes with low latency.
- Made search results more relevant by improving ranking algorithms and incorporating user context into restaurant thumbnails.
- Integrated synonym and typo support into suggestion queries by indexing relevant data in an Elasticsearch cluster and designing a custom Elasticsearch template for efficient retrieval
- Improved search infrastructure performance, reliability, and cost efficiency through ongoing optimization initiatives like template simplification, data cleansing, and instrumentation improvements.
- Ensured optimal performance and availability of search infrastructure through proactive monitoring with Grafana, CloudWatch, and Opsgenie.

### MoEngage

Delhi, India

*Senior Software Engineer*

*May 2022 - September 2022*

- Worked on the email notification system which is used to send email alerts and notifications to the users
- Developed a transactional email feature to send the high priority alerts and notifications to the users

### Visa

Bengaluru, India

*Software Engineer*

*July 2019 - May 2022*

- Worked as a full-stack developer with Business Intelligence, Data, and AI Platform team on Visa Analytics Platform (VAP) and Visa Data Manager (VDM) which provides insights and performance metrics on the payment transactions to the banking clients.
- Designed and implemented performant RESTful microservices for VAP with Spring Boot, optimizing application and database queries for fast response times.
- Leveraged Adobe XD for wireframing and React for development, I designed and implemented the entire user interface of a web application to analyze risk data in payment transactions across VisaNet and Cybersource.
- Implemented the frontend of a payment transaction data search engine application, empowering banking clients with comprehensive data exploration.

### Ank Aha!

Delhi, India

*Software Developer Intern*

*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, TypeScript, Python, SQL, HTML, CSS

**Technologies:** Spring Boot, Spring Web MVC framework, JPA, Hibernate, React  
Elasticsearch, Snowflake, DynamoDB, Oracle DB2, 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.