KARTIK MODI

kartikm1198@gmail.com | +91-8126838659 | Gurugram (open to relocate) | LinkedIn

EDUCATION

Indian Institute of Information Technology, Sonipat

(Mentor Institute: **National Institute of Technology Kurukshetra**)

August 2017 - June 2021

Bachelor of Technology - Information Technology

CGPA: 8.14/10

Jingle Bells Public School, Bareilly

2016

Grade 12 (CBSE)

Percentage: 80%

Radha Madhav Public School, Bareilly

2014

Grade 10 (CBSE)

CGPA: 9.6/10

SKILLS

Languages: JAVA, GoLang, Python, C, C++

Frameworks and other tech stack : Django, Kafka, Redis, ElasticSearch

Others : Data Structures and Algorithms, Operating Systems, Computer Networks, Database Management.

LEADERSHIP & ORGANIZATIONAL ROLES

• Liaised with the cultural representatives of 100+ colleges and universities.
• Organized fund-raising Music and Dance workshops.
• Created various posters and graphic designs in college.
• Organized all house assemblies and maintained discipline in school.

SCHOLASTIC ACHIEVEMENTS

● **Codeforces** highest rating : 1369 (kartik.modi98)
● **Codechef** highest rating : 3 star(1500) (kartik_modi)
● Secured first position at District Level Science Project Exhibition. (2011)
● Played Football at District Level. (2013)

EXPERIENCE

Zomato | Software Engineer 2

May 2023 – Present | Gurugram, IN
- Part of Zomato Dining Search Platform Team, responsible for serving all search use cases across Zomato Dining.
- Developed features like Geo spatial search on OpenSearch framework and efficient restaurant search..
- Improved latencies of various elements on the homepage by ~100-300ms
- Tech Stach : GoLang, PHP, gRPC, Solr, AWS opensearch

Uber | Software Engineer - I

May 2022 – April 2023 | Bangaluru, IN
- Part of Central Search Platform Team, responsible for serving all search use cases across Uber.
- Developed features for several large-scale use cases with qps as high as 10k-15k to onboard on SIA Framework build on top of Apache Lucene.
- Decreased latencies in data ingestion by 1500ms
- Tech Stach : GoLang, Java, gRPC, Kafka

Park+ | Software Development Engineer - I

July 2021 – May 2022 | Gurugram, IN
- Added features like extending the subscription, payment method listing, invoice editing to the production app and web platform. Optimized various APIs by more than 90%.
- Owned 5 services. Delivered various features on the app currently used by more than 5+ million users.
- Tech Stack: Python, Django REST framework, Mysql, Kafka, ElasticSearch, REST API

PROJECTS (PERSONAL & PROFESSIONAL)

New Search Framework
● Developed new search service based on opensearch for Zomato Dining platform along with features like Geo spatial search.

Dataset Migrations
● Migrated Uber scale datasets like Vehicle and commsbloc from objectsearch(ES) to in house search architecture SIA
● This migration improved the latency by 2x and data freshness by 5x

RESEARCH WORK

Efficient group rekeying in Smart Grid : Devised an algorithm called modified probabilistic logical key hierarchy (mP-LKH) for group rekeying functionality in smart grid to prevent security crisis.
Implemented the algorithm in C++.

I hereby confirm that the particulars given hereinabove are true and correct to the best of my knowledge.

KARTIK MODI