# MD KAISH ANSARI

## Software Engineer at Bharti Airtel | IIIT, Una

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# EXPERIENCE

## Airtel X Labs (Bharti Airtel Ltd.)

**Software Engineer**

- July 2021 – Present
- Gurgaon, IN

- **DEDUPE ENGINE:**
  A management system that deals with acquisition fraud smartly and addresses Duplication of user connections.
  - Developed the data ingestion pipeline from scratch using kafka connectors and multiple micro-services to process the real-time data from multiple system.
  - Build REST API to get the mobile SIM/connection taken by an individual customer and their outstanding. I used concurrency and parallelism to interact with 550M+ users database.
- **DATA RECONCILIATION SYSTEM:**
  A golang and python backed system that prevents the data losses among various Airtel systems.
  - Developed multiple jobs and scheduled them with Airflow to identify the missing orders/tasks and re-push to target system.
  - Build scalable API wrappers to insert missing records in target system with zero latency. Also developed the telegram bot to get the reconciliation reports.

# PROJECTS

- **REAL-TIME DATA STREAMING:**
  The goal of this project is to develop ETL(Extract, Transform, Load) pipelines for Project Advance Dedupe System at Airtel X Labs. Me with my teammates developed Producers/Consumers for data streaming along with data transformation at Kafka Layer.
- **SNOWFLAKE REAL TIME DATA WAREHOUSE:**
  In this project, I learned and implemented the Snowflake data warehouse architecture to build a data warehouse for business applications.
- **REAL-TIME CREDIT CARD FRAUD DETECTION SYSTEM:**
  Developed real-time fraud detection system with strict timing constraints for classifying transactions as fraudulent or authentic based on predefined rules.

# EXTRAS

## Content Creator
**YouTube (The Engineer Guy)** ⎋

**LinkedIn** ⎋

## Big Data Instructor
**Men of Tech** ⎋

# TECHNICAL SKILLS

**Programming Languages**

Python | Golang | C++ | Scala

**Databases**

Postgres | MySQL | Oracle | Redis | HBase

**Development**

REST API | Micro-services | Docker | Kubernetes | Queues

**Tools and Frameworks**

Airflow | Apache Kafka | Hadoop | Spark | Sqoop | Hive | AWS | Snowflake | Git

# EDUCATION

## Indian Institute of Information Technology, Una

**B.Tech (Computer Science and Engineering)**

- 2017 – 2021
- Una, IN

- CGPA: 7.98

## G M Academy Salempur

**Central Board of Secondary Education**

- Intermediate Exam (Class XII - 2016) - 85.8%
- Matriculation Exam (Class X-2014) - 95%

# INTERNSHIPS

**Bumblebee Data Inc. (Data Science) (2020)**

- Written and modified programs, primarily using Python, Apache Spark, using Agile development methodology.
- Identified opportunities for Machine Learning functionalities and integration in Bumblebee's Software.
- **Technologies:** Python, Spark, NLP, RAPIDS

**Indian Institute of Technology(IIT), Mandi (2019)**

- On-site internship in Farmer Zone Project under Dr. Srikant Srinivasan, Learned and implemented various aspects such as Outlier Detection, various Techniques of Data Cleaning and Developed a script that can be used for cleaning Data in Real-time (Data Preprocessing).
- **Technologies:** : Python, ETL Pipeline, Exploratory data analysis (EDA)