

ALEKH KUMAR

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| LinkedIn/[alekhkumar/](https://www.linkedin.com/in/alekhkumar/)

EDUCATION

2020-2023

Lovely Professional University,
Punjab

B.Tech. (Computer Science)
CGPA : 8.48/10 2018-2020

Lovely Professional University,
Punjab

Diploma, Lateral Entry(Computer Science)
CGPA : 8.50/10

CODING PROFILES

Leetcode://alekhkumar579

Codechef://alekh579

SKILLS

Languages

- C++ | Pyspark | Python | Java
- SQL | SSIS | SSAS | SSMS
- MDX | DAX • HTML | CSS

Cloud and data platforms

- Azure Databricks | Azure Data Factory
- Azure Data Lake Storage | Azure Open AI | Azure Synapse Analytics
- Power BI | Power Automate | Logic Apps
- Power Apps | Tabular Model
- Microsoft Fabric | Data Warehousing | ETL Tools

Data and analytical skills

- Data Structures | Algorithms
- Data Analysis and Transformation
- Excel | PowerPivot | SQL | Spark | PySpark
- Python | Machine Learning | Azure OpenAI
- Predictive Modeling | Strong Verbal and Analytical Skills
- Problem Solving | ETL | CI/CD | Pipeline Automation

WORK EXPERIENCE

TIGER ANALYTICS | Senior Software Engineer [January '25 - Present]

- Worked on cleaning and flattening the **JSON** data from the source and loading it into tables within Databricks notebooks.
- Focused on optimizing previously created Databricks notebooks by applying various **spark optimization techniques** to reduce runtime.
- Developed **BVTs and KPIs** to assess and monitor the data coming from the source.

MAQ SOFTWARE | Software Engineer 2 [September '24 - December '24]

- **Managing three projects and leading daily client calls** to understand and implement their business requirements.
- Implemented **Azure OpenAI** approach to predict and generate columns using some prompt engineering techniques.
- Led the migration of **10+ data cubes** from **on-premises** to **Azure Cloud** using **ETL Tools**, eliminated **PAT token dependency** across all streams by migrating to **Managed Identity**, and optimized the refresh process by applying various **Spark optimization techniques** for improved performance.

MAQ SOFTWARE | SOFTWARE ENGINEER 1 [May '23 - August '24]

- Managed 10+ reports for FME refreshes and **migrating reports from Excel to Power BI**.
- Improved PowerBI analysis with **measures and relationships**, **automated daily refresh** via **ADF pipeline**, and **optimized Databricks notebooks and ADLS** for cost reduction and faster refresh.

MAQ SOFTWARE | ASSOCIATE SOFTWARE ENGINEER [May '22 - April '23]

- Worked on data extraction from upstream to staging and Mart for dev changes.
- Automated full data refresh process triggered by Cube refresh emails.

PROJECTS

ADO HYGIENE DASHBOARD [Data Engineering, REST API]

- Extracted data from **Azure Analytics** using **PowerBI REST API**, loaded it into **Databricks** for ETL processing, performed data transformation and cleansing, and connected **Databricks** to PowerBI to create an interactive ADO Hygiene dashboard for team monitoring.

ACHIEVEMENTS

- Certification: **Microsoft Certified: Fabric Analytics Engineer Associate**
- Secured **Rank 170** in Codekaze R1 **out of 200000+** contestants.