

ANKUR ROY

Data Engineer

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Summary

Data engineer, software developer, data science enthusiast and lecturer with 2.6 years of working experience in big data engineering, cluster computing, designing solution architecture and mobile application development.

Education

BSc Computer Science (Honours) | University of Delhi | 2020

Minor in Mathematics (Calculus, Linear Algebra, Differential Equations, and Numerical Methods).

Score - **8.16** CGPA

Senior Secondary Education | Sant Nirankari Public School | 2017

Science Stream with Computer Science.

Score - **88.75** %

Secondary Education | Sant Nirankari Public School | 2015

Score - **8.80** CGPA

Experiences

Data Engineer at Infosys Limited | Nov, 2020 - Present

- Designed ELT workflow with **Azure** services to manage logistics and financial dataflow for **Kraft Heinz Company**.
- Leveraged **Azure Data Factory** service for orchestrating ELT dataflow pipelines.
- Used **Snowflake** as a data warehousing solution, **Databricks** and **DBT** for data transformation.
- Implemented industry standard designing architecture with virtual networks, key vaults, service principles services
- Developed script to create SQL queries from **SAP HANA** table schema and reduced time consumption by **80%**
- Used **Azure DevOps** for CI/CD, **JIRA** for progress tracking and **Confluence** for documentation.
- **Leading** an off-shore(India) team of 3 data engineers.

Freelance Mobile Application Developer | Jun, 2019 - Oct, 2020

- Developed **AI** enabled native **android** and cross platform **flutter** applications on **MVVM** architecture.
- Developed and integrated REST APIs, firebase database, and firebase analytics with application.
- **Led** a team of **6 developers** and dealt with clients for business.

Skills

Language: Python, SQL, PySpark, C++, Java, Dart, Scala, VBA, HTML, CSS, Git, Bash, Powershell.

Database: SQL, MongoDB, SQLite.

Technologies: Spark, Databricks, Kubernetes, Flutter, Android.

Libraries And Package: DBT, Numpy, Pandas, TensorFlow, Keras, Sklearn, PySpark, Pydicom, Interpret, azure-core.

Visualization: Matplotlib, Seaborn, Excel, PowerBI.

Development Environment : MacOS, Linux, Windows.

Projects

Indirect Taxes - Kraft Heinz Company

- Designed ELT solution architecture to create KPI for indirect taxes project with **EY** as financial consulting partner
- Data Extraction from multiple data source systems like SAP HANA, OMP, on-premise Oracle servers
- Azure ADLS Gen2 as Data lake, Snowflake as data warehousing and DBT as data transforming solution
- Expertise in documentation, documentation technologies in Markdown, MS-Word, Presentation and Excel.

Germany's Electric Market Case Study

- Analyze and Forecast Electricity Market in Germany using **Recurrent Neural Network**.
- Cleaning and processing large volumes of Germany's power generation and consumption data with **pySpark**.
- Produced and presented dashboard reports and visualizations with Power BI.

Gharelu Chat

- Cross-Platform mobile chat application for helping expecting mothers to keep them connected in emergencies.
- Active user **location tracker**, SOS alert on **fall detection**, health checkup scheduler and medicine reminder.

Certifications

- Microsoft Certified: [Azure Data Scientist Associate](#), DP-100.
- Microsoft Certified: Azure Data Fundamentals, DP-900.
- Microsoft Certified: Azure AI Fundamentals, AI-900.
- Microsoft Certified: Azure Fundamentals, AZ-900.
- Advanced Data Science with *IBM* Specialization, **Coursera**.
- *IBM* Data Science professional certificate, **Coursera**.
- Geospatial Applications for Disaster Risk Management, *Advance Module*, **ISRO and UNOOSA**.
- Geospatial Applications for Disaster Risk Management, *Basic Module*, **ISRO and UNOOSA**.
- Flutter Development Bootcamp with Dart, **Udemy**.

Achievements and Volunteer Experiences

- **Winner** of **Azure-a-thon** organized by Infosys Limited.
- **Speaker** for Flutter Meetup event by Android Developer Club at **Google, Gurugram**.
- Active member of Indian Linux Group Delhi and Android Developer Club Delhi.
- **Rank 31** in DUET 2020, MS Computer Science.
- **Rank 50** in DUET 2020, Masters in Computer Applications.
- **President** of **Physics Society**, Sant Nirankari Public School, 2017.