

Roshan Patil

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<https://github.com/rp926463-arch>

Experience Summary :-

- 2+ years experience in development and designing solutions to handle data workflows using Azure Data Platforms and SQL Server working with a team of 5-7 members.
- Good knowledge on Big Data tools like Azure Data Factory(orchestration tool), Data Flows, Data Lake, DataBricks.
- Research and implement best practices to improve the existing data solutions.
- Implemented data warehousing solution for one leading financial organization in Europe.
- Experience in building ETL pipelines (Batch processing).
- Azure Certified AI Engineer Associate.
- Proposing scope for AI in existing/ new products.
- Domain knowledge on retail Banking & Credit/Debit cards life cycle.

Technical skills :-

Technologies	Data Analytics, Data warehousing, Apache Spark (DataBricks), Apache Kafka, HDFS, Sqoop, Apache Airflow
Cloud technologies	Microsoft azure (Data Lake, Data Factory, Data Flows, Azure DevOps, Azure Functions, Cognitive Services, Custom Vision)
Databases	SQL Server, Hive, HBase
Programming	Python, SQL, C
Tools	Power BI, PyCharm, VSCode, Postman

Certifications :-

Azure AI Engineer Associate (Microsoft)	MAR 2021
Azure Data fundamentals (Microsoft)	NOV 2020
Microsoft Azure Fundamentals (Microsoft)	NOV 2020
Deep Learning Specialization (Deeplearning.ai)	OCT 2020

Education :-

Bachelor of Technology | Computer Science

Institute : SGGS College of Engineering & Technology | GPA 8.2/10

Work Experience :-

Organisation :TCS

Role :Data Engineer

Project #1 :-

- Designed and implemented a Data warehousing solution for people analytics and business planning using Azure Data Factory, Data flows, visualization using Power BI which offers a unified and clean view of the organisation.

Roles and Responsibilities :-

- Developed Azure data factory pipelines to extract data from data lake Process it using azure data flows and stored in Azure SQL Database.
- Schedule and Monitor ADF pipelines.
- Created Visualization dashboards in Power BI.

Project #2 :-

- Designed Integration Hub using azure data factory between one of User onboarding API and based on certain artifacts integrate it with downstream applications.

Roles and Responsibilities :-

- Developed pipelines to invoke Set of API's for migration, fetch the artifacts and perform the rest of migration activity based on schemas available.
- Schedule Pipelines based on certain events from the client side.

POC #1

Inspecting oil pipelines using unmanned Aerial vehicles.

Description :-

- Developed a solution to detect cracks in oil pipes in remote places.
- Deep learning algorithms can automatically detect pixel signatures from drone footage for cracks and leaks that humans can miss, thereby minimizing infrastructure risk.

POC #2

Identification and counting of blood cells.

Description :-

- Developed an application for detecting RBC, WBC & Platelets in blood using computer vision.
- Blood cell count is an important part of blood tests. The accurate cell count is helpful for detecting potential diseases.