

Raj Kumar Manala | Cloud & Data Engineer

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Technical Skills

Certifications: [Azure Data Engineer Associate](#), [Power BI Data Analyst](#), [AWS Developer Associate](#), [AWS Cloud Practitioner](#), [Azure AI](#), & [Azure Data](#)

Languages: Python (NumPy, Pandas), SQL, Pyspark, Spark SQL, Java.

Data Engineering Tools: ETL & ELT, Databricks, Data Modeling, Data Integration, Data Warehousing.

Cloud Technologies: Azure (ADF, Synapse, Databricks, Storage, Cosmos DB), AWS (EC2, S3, RDS, VPC, Lambda, Glue, Terraform).

Visualization & Analytics: Power BI, Tableau, Seaborn, Excel.

Experience

Cloud & System Support Engineer

Jul 2024 – Dec 2025

Concordia University Chicago

Chicago, Illinois

- Gathered and integrated datasets from SolarWinds Service Desk and network monitoring logs to support analytics on ticket trends, device health, and service uptime.
- Administered Azure Active Directory (Entra ID) for the university, managing identity and access controls for students, faculty, and staff including user provisioning, role assignments, and credential security across Microsoft 365 and Office Products.

Graduate Technical Assistant in IT

Aug 2023 – Jul 2024

Concordia University Chicago

Chicago, Illinois

- Prepared and cleaned datasets from academic systems (Student Information System, SolarWinds Service Desk) and cloud platforms (Microsoft 365, Azure Storage) for cross-functional data analysis projects supporting IT operations and reporting.
- Designed and delivered interactive dashboards in Power BI to visualize service request patterns, network uptime, and user satisfaction metrics for IT administrative team.

Big Data Engineer

Sep 2022 – Aug 2023

LTI Mindtree – Microsoft Vendor

Hyderabad, India

- Designed and implemented Machine Learning components to enhance predictive analytics and decision-making.
- Conducted in-depth analyses of customer, competitor, and market data to identify growth, optimizing product and Service
- Extracted and transformed semi-structured data to structured datasets, improving data usability with advanced tools like Databricks and Power BI.

Cloud Data Engineer

Apr 2020 – Sep 2022

Mindtree – Microsoft Vendor

Mumbai, India

- Orchestrated seamless data workflows in Azure Data Factory, designing and managing efficient ETL pipelines to optimize data integration processes.
- Developed and automated ETL solutions using Apache Spark and Azure Databricks, improving data processing and scalability.
- Implemented and managed Delta Live Tables within Azure Databricks, enabling real-time streaming and batch data processing for timely analytics.

Education

Master of Science in Computer Science

Aug 2023 – Dec 2025

Concordia University Chicago | River Forest, IL, USA

GPA: 3.69/4.0

Bachelor of Technology in Electronics & Communication

Aug 2015 – April 2020

Swami Vivekananda Institute of Technology | Hyderabad, TS, India

Projects

Data Integration and Transform Analytics – MS SQL | Data Lake Gen2 | Data Factory | Databricks | Synapse | Power BI

- Designed and executed a complete data workflow by ingesting on-premises MS SQL data into Azure Data Lake, transforming it across bronze, silver, and gold layers in Databricks, storing it in Synapse Analytics, and creating visualizations in Power BI.

Sales Data Analytics – Power BI | Data Analysis | Data Modeling | Data Transformation | SQL | DAX

- Sales data was cleansed in SQL Server using T-SQL and Power Query, organized into a star schema for efficient analysis, and visualized through interactive Power BI dashboards with DAX measures to enable real-time insights into key performance metrics and trends that provided actionable insights to stakeholders, improving decision-making by 50%.

Supply Chain Analytics – Databricks | Py Spark | Spark SQL | AI/ML

- Developed a Supply Chain Dashboard for an online fashion retail store by leveraging Databricks to ingest and transform JSON data into Delta tables and integrating real-time inventory data to create dynamic dashboards for optimized decision-making.