Ayush Mal

Kolkata, West Bengal

📞 +91-7209262257 ✉️ ayushmal258@gmail.com 🔗 LinkedIn 🌐 Website 🐙 Github

CAREER OBJECTIVE

Skilled and innovative Data Engineer with 3 years of experience in building data pipelines, developing predictive models, and performing in-depth data analysis. Proficient in SQL, Python, Azure Data Factory , Azure Databricks, with a strong focus on delivering clean, reliable data for business insights. Known for working effectively with international teams and leveraging modern tools to drive scalable, data-driven solutions.

EXPERIENCE

WIPRO LIMITED , Role : Data Engineer   July, 2023 – Current

- Having experience to work with large datasets as Database Administrator and manage Azure Cloud Infrastructure. Performed cluster setup in Azure and configuration for high-availability systems, supporting large-scale database.
- Mined large datasets for useful insights using SQL, helps business strategies and problem-solving approaches.
- Researched, developed models using Power Bi to analyses diverse data sources, driving business insights.
- Collected, cleaned & analysed large datasets to uncover patterns & actionable insights, enabling stakeholders to make informed decisions. Tested & selected models for Power apps & Power bi as per business requirement.
- Developed and maintained data models, dashboards, and reports in Power BI, supporting business operations and enhancing visibility into key metrics.
- Administered & maintained MS SQL Server instances, ensuring optimal performance, reliability & availability.
- Conducted physical and logical database design, ensuring efficient data structures, and relationships.
- Provided strategic database direction, implementing best practices and industry standards for database management. Utilized MS SQL tools for performance tuning, indexing, and query optimization.
- Managed backup and recovery procedures, ensuring data protection and disaster recovery readiness.
- Designed and managed Azure Data Factory (ADF) pipelines to automate ETL processes.
- Worked with Azure Data Lake & Delta Lake for scalable data storage and management.
- Developed PySpark scripts in Databricks to process and analyze large-scale datasets.
- Implemented CI/CD pipelines for data deployment and version control.
- Created serverless SQL pools and dedicated SQL pools for high-performance queries.
- Optimized Synapse queries to improve data processing efficiency.
- Integrated Synapse with Power BI, Azure Data Factory, and Azure Databricks for seamless analytics.

Role : Data Analyst   July, 2022 – June 2023

- Provide application support for TDM tools, ensuring seamless operations and quick resolution of issues.
- Manage and automate data masking and anonymization processes using Informatica TDM to ensure compliance with data privacy regulations.
- Having experience to work with large datasets as Database Administrator and manage Azure Cloud Infrastructure.
- Provided expertise on statistical, and data science concepts, experience in Azure cloud and ServiceNow.
- Mined large datasets for useful insights using SQL, helps business strategies and problem-solving approaches.
- Collaborated with teams to design interactive Power BI dashboards, enabling data exploration and trend analysis, which improved operational efficiency.
- Have experience in debugging TDM plans through Power Centre Repository Workflow Manager.
- Utilized SQL and Python to analyze data from multiple sources, identifying trends and anomalies that informed 15+ business initiatives and improved decision-making processes.

- Implemented GDPR-compliant data anonymization and masking processes using Informatica TDM, protecting sensitive information such as PII and PHI data.
- Experienced in Test Data Management TDM migration and version upgrade from 10.4.1 to 10.5.5.
- Researched, developed models to analyses diverse data sources, driving business insights and decision-making processes using Power Bi.
- Proposed, tested and selected models for Power apps and Power bi as per business requirement.
- Used SharePoint for document management for different departments, manage version-controlled documents.

SKILLS

- **Programming Languages:** Python, C++, knowledge of PySpark Work on automation testing with python.
- **SQL Skills:** Strong foundational knowledge & well versed with SQL queries to fetch relevant data & insights.
- **Collaboration:** Experience of working with finance and strategy teams from Nederland, USA, Malaysia etc.
- **Azure Data Factory:** Experienced in designing and managing ETL/ELT pipelines, creating data flows, and orchestrating workflows for seamless data integration across cloud and on-prem sources.
- **Azure Databricks:** Skilled in developing PySpark notebooks for data transformation and analytics. Proficient in handling large-scale data processing and integrating with ADF and ADLS for end-to-end solutions.
- **Azure Synapse Analytics:** Hands-on experience in querying and managing large datasets using dedicated and serverless SQL pools. Familiar with integrating Synapse with ADF for end-to-end analytics solutions.
- **Unity Catalog:** Working knowledge of managing data governance and access controls within Databricks using Unity Catalog, ensuring secure and organized data access across teams.
- **Organizational and Communication Skills:** Strong ability to communicate complex ideas effectively.
- **Data Cleaning & Wrangling**: Expertise in transforming messy, unstructured data into clean, structured formats suitable for analysis.
- **Business Intelligence & KPIs**: Ability to define and monitor business KPIs, track performance metrics, and provide insights that influence strategic planning.
- **Data Analysis & Interpretation**: Proficient in analyzing large datasets to extract actionable insights, identify trends, and support data-driven decision-making.
- **Data Visualization Tools**: Experienced in creating interactive dashboards and reports using Power BI and Excel to communicate insights clearly to stakeholders.

EDUCATION

Arka Jain University   **Aug,2019 – April,2022**
*Bachelors of Computer Applications - **CGPA – 9.68***   *Jamshedpur, India*

D.A.V. Public School   **April,2017 – May,2019**
*Intermediate - **Percentage** - **77.4%***   *Jamshedpur, India*

CERTIFICATIONS

Microsoft Azure Fundamentals AZ 900   **Nov,2022**
Microsoft   *Certificate No: I484-7051*
Microsoft Azure Data Fundamentals DP 900   **Dec,2022**
Microsoft   *Certificate No: I552-9604*