

ADITYA SAHNI

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SUMMARY

Data Engineer with 1.5+ years of experience at Tata Consultancy Services, graduated with a Master of Science in Business Analytics. Delivered 30+ data pipelines with Azure tools, improved processing speed and accuracy. Proven ability to manage data integration, ETL processes, and support data-driven decision-making in enterprise environments.

PROFESSIONAL EXPERIENCE

Data Engineer |Tata Consultancy Services | Noida

Oct 2022 - Jun 2024

- Developed and automated over 30 data pipelines using Azure Data Factory and Python, reducing processing time by 30% and increasing data accuracy by 20%.
- Developed 15+ custom Power BI dashboards based on stakeholder specifications, providing actionable insights into key performance indicators (KPIs) across business units and improving decision-making.
- Implemented industry's best practices for data warehousing within the Azure Synapse environment, which optimized data retrieval processes by 40% and reduced storage redundancy by 15%.
- Managed data engineering efforts for an airline client by aligning deliverables across 3 stakeholder teams, tracking 10+ ETL pipeline milestones, and proactively resolving 5+ critical risks ensuring 100% on-time dashboard delivery.
- Enhanced expertise by receiving comprehensive training in SQL Server Integration Services (SSIS) for constructing reliable ETL workflows for large-scale data processing.
- Spearheaded the creation of a comprehensive data dictionary for the team, ensuring all members understood data definitions; reduced onboarding time for new hires by 1 week.

ACADEMIC PROJECTS

Valorlytics - RAG-Based Esports Analytics Assistant

Jan 2025 - Feb 2025

- Developed an AI-powered assistant to analyze player performance data and deliver real-time, query-based strategic feedback.

Earthquake Data Analysis

Dec 2024 - Jan 2025

- Built a real-time earthquake data pipeline using Azure Data Factory, Azure Databricks, and Azure Synapse Analytics for efficient data ingestion and transformation.
- Designed intuitive Power BI dashboards using real-time data feeds from data warehouse to improve disaster management and real-time risk assessment.

Integrated Warehousing System: Hop-Oracle Cloud ETL Pipeline

Aug 2024 - Oct 2024

- Consolidated disparate sales data sources into a centralized Oracle Cloud data warehouse, increasing data consistency and reducing reporting errors by 25% which led to more accurate sales forecasts.
- Launched interactive Tableau dashboards connected to the data warehouse, enabling stakeholders to visualize key performance indicators and improve decision-making speed by 20% across the organization.

EDUCATION

UNIVERSITY AT BUFFALO, THE STATE UNIVERSITY OF NEW YORK

Jul 2024 - Jun 2025

Master of Science, Business Analytics (STEM) | GPA: 3.95/4.0

Relevant Coursework: DBMS, Statistical Analytics, Predictive Analytics, Distributed Computing & Big Data, Cloud Data Warehousing & Data Eng, Model Managerial Process, Data Visualization, Applied AI for Manager, Digital Marketing Analytics.

BHARATI VIDYAPEETH COLLEGE OF ENGINEERING, PUNE

Jun 2018 - Jul 2022

Bachelor of Technology, Electronics and Telecommunications Engineering| GPA: 3.20/4.0

SKILLS

- **Tools:** SSIS, Azure Data Factory (ADF), Power BI, Jira, Tableau, Excel, Looker Studio
- **Data Warehousing and Integration:** Data Modeling (Star/Snowflake), ETL/ELT, Data Integration
- **Databases and Cloud:** SQL Server, Azure SQL Database, Oracle, Big Query, Amazon Redshift, Azure Synapse
- **Programming:** Python, SQL, R, DAX
- **Statistical Analysis:** Hypothesis Testing, Regression Analysis, A/B Testing, Predictive Modelling

CERTIFICATIONS

- Microsoft Certified: Power BI Data Analyst Associate
- Microsoft Azure Data Fundamentals DP-900
- Udemy SQL Server Integration Services (SSIS) - An Introduction.