Dev Mithunisvar Premraj

Boston, MA

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Education

Northeastern University, Boston, MA	**Expected Aug 2025**
Master of Science in Information Systems	GPA: 3.67
University of Texas at Austin	**May 2023**
Post Graduate Program in Data Science and Business Intelligence	GPA: 3.4
Anna University, Chennai, TN	**Apr 2021**
Bachelor of Engineering in Electrical and Electronics Engineering	GPA: 3.5

Technical Skills

Programming Languages:	Python, SQL, Java, R, JavaScript, CSS
Data Visualization Tools:	Tableau, Excel, ArcGIS, Power BI
Big Data Tools:	Airflow, PySpark, Azure Data Factory, DBT, Databricks, Alteryx, GIT
Cloud Technologies:	AWS, Azure, GCP, Docker, Snowflake
Python Libraries:	NumPy, Pandas, Seaborn, Scikit Learn, Matplotlib, OpenAI, Plotly
Certifications:	Tableau Certified Data Analyst, AWS Certified Data Engineer Associate

Professional Experience

LTIMindtree — **Oct 2021 – Nov 2022**
Data Engineer — Chennai, India

- Developed and optimized 40+ ETL pipelines utilizing Azure Data Factory and SQL to load data into Snowflake Staging and Dimension tables, resulting in a 35% reduction in data processing time
- Mitigated data quality risks by 40% through developing SQL queries, ETL/ELT for data ingestion from diverse sources, large-scale processing through Spark and Hadoop, and file deposit in AWS S3 and Data lakes
- Implemented feature engineering, and data pre-processing workflows using SQL, Python, and Alteryx
- Developed and optimized data models using DBT and SQL to transform marketing and sales data, improving data consistency by 30% and enabling streamlined reporting for business stakeholders
- Created 20+ Tableau dashboards to deliver actionable insights and KPIs to gain insights into market trends, customer behavior, and sales performance, increasing decision-making speed by 60%
- Partnered with business analysts to analyze requirements and create dimensional data models (STAR and Snowflake Schema), enhancing reporting efficiency by 50%, and wrote SQL scripts for database interaction
- Developed and executed user test plans in SQL and Python, documented test results, and collaborated with test teams to troubleshoot and resolve issues, ensuring data accuracy and system stability

Projects

BI Implementation for Food Inspection Analysis | [github](#)
- Designed and implemented a Star schema using ER Studio, integrated 1M+ records from Chicago and Dallas datasets, into Azure tables through Talend ETL jobs. Utilized Alteryx and Python for Data Profiling
- Leveraged PowerBI for visualizations, providing actionable insights and improving inspection efficiency by 25%

AI healthcare System | [DAAS] [SAAS] | [github](#)
- Developed an application with Streamlit for user interaction, offering medical diagnosis and customized medication based on an individual's symptoms and medical history and integrated dashboards using Matplotlib and Seaborn
- Built an ETL pipeline using Airflow and AWS Lambda for automated medical data scraping, leveraging OpenAI and Lang chain for symptom extraction and
- Leveraged DBT to ingest refined data into Snowflake and Pinecone

Returns and Refunds Management Using Oracle SQL | [github](#)
- Designed an online transaction management system using Oracle SQL to optimize returns and refunds, incorporating automated workflows for customer reliability scoring, return handling, and refund processing.
- Implemented business rules through Oracle SQL and PL/SQL scripts for returns eligibility, processing fees, and exception handling, enhancing operational efficiency