

# 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

Relevant Coursework: Data Science Engineering and Tools, Database Management and Design, Big-Data Systems and Intelligence Analytics, and Designing Advanced Data Architectures for Business Intelligence

**Anna University, Chennai, TN**

**May 2021**

**Bachelor of Science in Electrical and Electronics Engineering**

GPA: 3.5

## Technical Skills

**Programming Languages:** Python, SQL, Java, R, Bash, JavaScript, CSS  
**Data Visualization Tools:** Tableau, Excel, Power BI  
**Big Data Tools:** Databricks, Airflow, PySpark, Azure Data Factory, DBT, AWS S3, AWS glue, GIT  
**Cloud Technologies:** AWS, Azure, GCP, Docker, Snowflake  
**Python Libraries:** NumPy, Pandas, Seaborn, Scikit Learn, Matplotlib, OpenAI, NLTK, Pytorch  
**Certifications:** Tableau Certified Data Analyst, AWS Certified Data Engineer Associate

## Professional Experience

**LTIMindtree**

**Oct 2021 – Nov 2022**

**Software Engineer**

Chennai, India

- Created interactive Tableau and Power BI dashboards to deliver actionable insights and KPIs to gain insights into market trends, customer behavior, and sales performance, increasing decision-making speed by 80%
- Applied statistical analysis techniques, including predictive modeling, hypothesis testing, and regression analysis, to identify patterns and inform decision-making processes, enhancing forecasting accuracy by 25%
- Developed and optimized 15+ ETL pipelines utilizing Python and Airflow (with SQL for data manipulation) to load marketing data into Snowflake staging tables, resulting in a 30% reduction in data processing time
- Partnered with business analysts to analyze requirements and create dimensional data models (Star/Snowflake) for retail analytics, enhancing reporting efficiency by 50%, and wrote SQL scripts for database interaction
- Mitigated data quality risks by 40% through developing SQL queries, ETL/ELT for data ingestion from diverse sources, large-scale processing through Spark and MapReduce, and file deposit in Azure Blobs and Data lakes

**Anna University**

**Feb 2021 – Apr 2021**

**Research Assistant**

Chennai, India

- Imported and validated data from sources to design a monthly report in Excel using VBA, VLOOKUP, Pivot Table, Power Pivot, and DAX, increasing report accuracy by 30% and reducing processing time by 17%
- Collaborated to build Regression models predicting a city's power consumption. Deployed Machine Learning models to optimize energy usage, reducing costs by 15%, and published findings in ICCIS-2022

## Projects

**BI Implementation for Food Inspection Analysis** | [github](#)

- Designed and implemented star schema in ER Studio, integrating over 1 million records from the City of Chicago and Dallas Open-Data food inspections datasets
- Conducted data profiling using Alteryx/Python and engineered Talend ETL jobs to ingest data into Fact and Dimension Azure tables, ensuring data accuracy and consistency
- Leveraged Tableau for visualization and analysis of food inspection data, developing KPIs to monitor trends, enabling strategic decision-making, and improving inspection efficiency by 25%

**AI healthcare System** | [DAAS] [SAAS] | [github](#)

- Engineered an application employing Streamlit for end-user interaction, offering medical diagnosis and customized medication based on an individual's medical history
- Established an ETLT pipeline with Airflow to automate medical data scraping using AWS Lambda, and leveraged OpenAI for symptom extraction, refining, and loading data into Snowflake
- Augmented data utility by ingesting data into Pinecone with vector embeddings, boosting querying efficiency by 60%