




# Dhanushree Thiruveragan

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Motivated MSc Data Science & AI student with strong skills in Python, SQL, Power BI, Tableau, Excel and Pandas with hands-on experience in data preprocessing, EDA (Exploratory Data Analysis) and dashboard development. Seeking opportunities to contribute to organizational growth while enhancing professional skills.

## EDUCATION

**MSc - Data Science & AI, Middlesex University Dubai**

Present  
UAE

**B.Tech - Computer Science and Engineering, SASTRA University**

CGPA-7.81

2025  
India

## SKILLS

**Data Analysis & BI Tools:** Power BI, Tableau, Excel

**Programming & ML:** Python, Pandas, NumPy, Matplotlib

**Database:** SQL

**Other Skills:** Data Visualization, Data Cleaning, KPI Design

## PROJECTS

### **Sales Data Analysis (Power BI)**

- Built dashboards to analyze revenue, profitability, and sales performance trends.
- Applied DAX measures and automated refresh pipelines for real-time business reporting.

### **UPI Transactions Data Analysis (Power BI)**

- Designed KPIs and dashboards to track adoption trends, supporting business decision-making and customer engagement strategies.
- Implemented slicers to segment data by demographics, region, and time period.

### **Insurance Data Analysis (Power BI)**

- Evaluated claims and premium trends, creating reports for performance monitoring.
- Developed loss ratio, combined ratio, and claim settlement KPIs for insurers.

### **Student Depression Data Analysis (SQL + Tableau)**

- Processed and analyzed survey data using SQL for structured reporting.
- Built Tableau dashboards with correlation analysis and demographic segmentation.

### **Tamil Palm Leaf Manuscript Recognition (Python + Deep Learning)**

- Designed preprocessing and recognition pipeline using adaptive thresholding and FSRCNN.
- Collected and annotated dataset of palm leaf manuscripts for training.

### **LSB Manipulation in the Encrypted Domain (Python)**

- Implemented homomorphic encryption with LSB substitution for secure data hiding.
- Least Significant Bit (LSB) substitution offers powerful solution for high capacity data hiding while maintaining data confidentiality and integrity.

## CERTIFICATIONS

- Data Analysis with Pandas and Python
- Master Data Analysis: Python, Statistics, EDA, Feature Engineering, Power BI, and SQL Server, Snowflake, AWS

## EXTRACURRICULAR

### **Deloitte Australia Data Analytics Job Simulation on Forage**

June 2025

Built dashboards in Tableau and used Excel for classification & insights

## SOFT SKILLS

- Communication & Interpersonal Skills
- Analytical Thinking & Problem Solving
- Teamwork & Collaboration
- Adaptability & Comfort with Ambiguity