

# Muthu Kumaran V

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## Summary

Detail-oriented Data Analyst with expertise in **SQL, Python, Power BI, and Excel**. Experienced in developing dashboards, predictive models, and machine learning applications with strong knowledge of statistics and data visualization. Published **IEEE-indexed research** on secure attendance systems. Skilled in extracting insights that support **data-driven decision-making and business strategy**.

## Skills

**Technical:** Python, SQL, Power BI, Excel, Machine Learning, Data Cleaning, ETL, Data Visualization, Statistics.

**Soft Skills:** Problem Solving, Logical Reasoning, Story Telling, Communication.

## Projects

- **Secure Attendance System (IEEE)** – Django, FaceNet, GPS, MAC Verification. Built multi-layer authentication system reducing attendance fraud; results published in IEEE-indexed paper.
- **Stress Detection from Voice** – CNN + BiLSTM with MFCC. Achieved **94% accuracy** in classifying 8 emotions.
- **Workplace Stress Prediction** – Machine learning models (XGBoost, LightGBM) achieved **97% accuracy** on workplace stress survey dataset.
- **Sales Dashboards (Excel & Power BI)** – Designed dashboards with KPIs, Top 10 customers, category trends, and regional performance.
- **Airbnb SQL Case Study** – Wrote SQL queries and visualized occupancy, revenue, and performance using Python.

## Education

**M.Sc. Data Analytics**, Vel Tech University, Chennai

**2023 – 2025**

CGPA: 8.9

**B.Sc. Computer Science**, Nazareth College of Arts and Science, Chennai

**2020 – 2023**

CGPA: 8.5

## Certifications

Coursera – Business English Basics

NPTEL – Human Resource Management, E-Business

Hands-on Training – Deep Learning Techniques

## Achievements

- Published IEEE-indexed research paper on Secure Attendance System
- 1st Prize – Idea Contest on Technology Innovation
- 2nd Prize – Debate on Emerging Technologies

## Languages

English, Tamil