

# MUKESH SRIDHARAN

## DATA ANALYST

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### 👤 PROFILE

**Data Automation Specialist** focused on converting complex, repetitive operations into **intelligent, self-running automation ecosystems**. I engineer **Python-PostgreSQL data pipelines** that process massive datasets with near-zero failures, incorporating monitoring, validation, and auto-correction to prevent downstream errors. I develop **high-impact Power BI dashboards** that power instant decision-making for large user bases.

### 🛠 SKILLS & TOOLS

#### Data Architecture & Querying (SQL)

PostgreSQL, MySQL, Advanced SQL (CTEs, Window Functions, Indexing), PgAdmin 4, Data Integrity/RLS.

#### Automation & Programming

Python (Pandas, Flask), Automation Scripting, Task Scheduler, Git, Version Control (Git Bash), Development Environments (Visual Studio Code, Jupyter Notebooks).

#### Business Intelligence (BI)

Power BI (DAX, Power Query/M, Data Modeling, Star Schema), Tableau, Advanced Visualization.

#### Rapid Analysis & Modeling

Advanced Excel (Pivot Tables, Power Query, XLOOKUP), Statistical Modeling, Scenario Analysis.

### 💼 PROFESSIONAL EXPERIENCE

#### Data Analyst

Technosport 🌐

07/2024 – Present | Tirupur

- **Architected End-to-End Reporting Pipeline:** Built production data workflow extracting 100K+ monthly transactional records from Odoo ERP, transforming raw data using Python/Pandas in Jupyter, and delivering 15+ executive dashboards in Power BI that reduced decision-making cycles by 50% through real-time operational visibility.
- **Eliminated 30+ Hours/Week Through Intelligent Automation:** Identified critical bottlenecks in manual reporting processes and deployed 10+ Python automation scripts with Task Scheduler orchestration, achieving 75% time reduction and 99.5% data accuracy while enabling team to focus on strategic analysis over repetitive tasks.

#### Data Analyst Intern

ExcelR 🌐

07/2023 – 04/2024 | Bengaluru

**Executed SQL queries, cleaned and transformed data using Python, and maintained Tableau/Power BI dashboards** to ensure accurate insights for weekly business reviews, while independently handling **ad-hoc Excel analysis** and rapidly mastering **Power Query & DAX** to build versatile **end-to-end analytics capabilities**.

### 🎓 EDUCATION

#### Data Analytics

Excelr Institute 🌐

08/2023 – 04/2024 | Bengaluru

#### Bsc Computer Systems & Design

PSG College of Technology 🌐

06/2018 – 05/2021 | Coimbatore

### 🏆 ACHIEVEMENTS

#### Fashion Expo: Rapid Mobile Order System

- **Engineered full-stack mobile ordering platform in 5 days** that digitized paper-based sales workflow for multi-zone expo event, enabling 10+ staff to capture 300+ order details via mobile devices, reducing order documentation time by 85% (12 min → 2 min per order).
- **Automated order capture and confirmation workflow** using Flask/Python backend with HTML/CSS/JS frontend, featuring instant product search, cart management by size/quantity, customer validation/creation, and automatic generation of unique Order IDs with downloadable wholesale price summary images for client records.
- **Integrated real-time inventory visibility via Excel/Dropbox sync**, eliminating manual order transcription errors and enabling same-day order compilation, replacing cumbersome paper forms with streamlined mobile-first data collection.

#### Distro Forge: RLS-Powered Data Platform

- **Developed custom self-service data portal** using Python, HTML/CSS/JavaScript, and PostgreSQL that replaced legacy BI solution, **eliminating ₹12 lakh in annual licensing costs** while providing 40+ distributors with secure, real-time access to personalized performance dashboards.
- **Consolidated primary sales (Odoo) and secondary sales/stock (ChannelConnect)** through automated Python ETL pipelines into unified PostgreSQL database, replacing manual data compilation across disparate systems.
- **Implemented enterprise-grade Row-Level Security (RLS)** with unique credential-based access control, ensuring 40+ distributors could securely view only their specific sales, stock, and KPI metrics while maintaining centralized data governance and eliminating data exposure risks.

### 📁 PROJECTS

#### Real-Time Stock Market Analytics Platform 🌐

- **Built Production-Grade Financial Dashboard:** Engineered full-stack platform analyzing 26 stocks with 10 years of historical data (500K+ records), featuring real-time market feeds via yFinance API and 5 interactive modules (Market Overview, Portfolio Analytics, Technical Analysis, Financials, AI Forecasting).
- **Automated ETL Pipeline with Advanced Analytics:** Deployed Python data pipeline via GitHub Actions calculating 15+ technical indicators (RSI, MACD, Bollinger Bands, Support/Resistance levels) and ML forecasting models (LSTM, ARIMA, Prophet), processing daily market data with sub-200ms API response times.
- **Delivered Full-Stack Solution:** Developed React SPA with Node.js Express backend and PostgreSQL star schema (18 tables, 2M+ records), deployed on Vercel with CI/CD automation and Row-Level Security.

#### Street Fighter Showdown Selector 🌐

Applied advanced Power BI visualization techniques through custom SVG integration to enable dynamic visuals, conditional formatting, and adaptive storytelling elements that significantly elevate user engagement and analytical depth.

### 📜 CERTIFICATES

- Google Advanced Data Analytics 🌐
- Oracle Database@AWS Certificate Architect Professional 🌐
- Oracle Cloud Infrastructure 2025 Data Science Professional 🌐