

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 (ChannelKonnect) 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 