

Mustafa Poonawala

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Professional Summary

Data Analyst with hands-on experience in SQL, Python, and Power BI, specializing in transforming raw operational and financial data into stakeholder-ready dashboards and insights. Delivered 3 production banking modules while independently building analytics projects. Skilled in extracting structured insights from complex datasets through exploratory data analysis, SQL query optimization, and data visualization best practices.

Technical Skills

Data Analysis & Visualization: Power BI, Looker Studio, Exploratory Data Analysis, Ad-hoc Analysis, Data Storytelling, Data Modeling, Dashboard Design, KPI Tracking & Reporting, Statistics, Hypothesis Testing, A/B Testing, Regression Analysis, Cohort Analysis, Funnel Analysis, Statistical Significance, Matplotlib, Seaborn, Pandas, NumPy, Jupyter Notebook

Databases & Data Systems: SQL, MySQL, PostgreSQL, Query Optimization, Indexing, Data Cleaning & Transformation, Data Integration, APIs, ETL, BigQuery

Languages: Python, SQL, Java

Stakeholder & Reporting Tools: Microsoft Excel, Advanced Excel, Google Analytics, Notion, Stakeholder Management, Requirement Gathering, Cross-functional Collaboration, Business Intelligence (BI)

Backend & Infrastructure: Java, Spring Boot, REST APIs, Angular, Git, GitHub, Linux

AI/ML: OpenAI APIs, Claude APIs, GenAI for Data Analysis, Prompt Engineering

Experience

Software Developer – Aurionpro Solutions Limited

Jan 2025 – Apr 2026 — Mumbai, India

- Architected and delivered NPS Survey Module for SAIB Bank, enabling customer satisfaction data collection across multiple application touchpoints using REST APIs and responsive Angular interfaces.
- Engineered Sweeping Order Module enabling fund transfers across multiple accounts, designing **optimized SQL queries by 10% for transaction data** processing and financial record management.
- Implemented **Payroll Module** for Saudi regions with salary disbursement workflows, navigating multi-regional compliance requirements and data validation logic.
- Developed and optimized REST APIs using Java, built responsive front-end interfaces with Angular, and crafted efficient SQL queries for data extraction, transformation, and persistence.
- Optimized database queries and **resolved performance bottlenecks by 5% across banking modules** while delivering 3 core modules within a 6-month timeline through effective task prioritization and agile collaboration, enhancing system stability and data integrity.

Analyst – DeepCytes

Jul 2024 – Dec 2024 — Mumbai, India

- Conducted structured research and ad-hoc analysis across **15+ case studies**, gathering, cleaning, and synthesizing intelligence from **50+ digital sources per case** to surface actionable findings.
- Produced **15+ OSINT reports** with visual data summaries, translating complex raw intelligence into clear, stakeholder-ready narratives for institutional clients and reducing analysis-to-insight turnaround by **15%**.
- Presented findings and **KPI-level metrics** during client review sessions, communicating technical insights to **3+ stakeholders** and supporting data-driven decision-making.

Education

K. J. Somaiya College of Engineering – Mumbai, India

Oct 2021 - Jun 2025

B.Tech in Information Technology

Relevant Coursework: Database Management Systems, Data Structures, Statistics — GPA: 9.1/10

Projects

Sales Dashboard

Feb 2026 – Mar 2026

- Processed and cleaned **30,000+ sales records** using SQL and Python, resolving data quality issues including duplicates, missing values, and inconsistent formatting prior to analysis.
- Conducted **exploratory data analysis** to examine revenue distribution across product categories, regions, and time periods, identifying which categories consistently outperformed others.
- Applied Excel formulas and SQL queries in parallel to **cross-validate data transformations**, ensuring consistency between raw data and dashboard outputs.
- Built a **single-page Power BI dashboard** consolidating key sales KPIs (revenue, units sold, top-performing products) into an interactive view for stakeholder review.
- Documented the end-to-end workflow from raw data to dashboard, covering data cleaning, SQL-based aggregation, and visualization design decisions.

Stock Market Prediction System

Jan 2024 – Apr 2024

- Processed and analyzed **10 years of historical stock market data**, performing exploratory data analysis to identify temporal trends, price movements, and volatility patterns.
- Designed and implemented an **LSTM-based time-series forecasting model** using TensorFlow and Keras to predict future stock prices from historical market data.
- Evaluated model performance using **standard forecasting metrics** and developed visualizations comparing predicted values against actual prices to assess model behavior and forecasting performance.