Pritish Mehta

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Data Analyst with 4+ years of experience building automated ETL pipelines, live dashboards, and compliance analytics for energy and consulting firms. Reduced reporting time by 60%, improved data quality, and delivered executive-level insights using Python, SQL, and Power BI.

TECHNICAL SKILLS

- **Data & Analytics:** Power BI, Tableau, SQL (MS SQL Server, Oracle, SQLite), Python (Pandas, NumPy), Excel (VBA, Power Query)
- **Cloud Platforms:** Azure (Data Factory, Blob Storage), AWS (EC2)
- **Databases:** SQL (SQLite, MS SQL Server, Oracle)
- **Cloud & Automation:** Azure (Data Factory, Blob Storage), AWS EC2, PowerShell, Shell Scripting
- **Machine Learning:** K-Means, Random Forest, ARIMA, NLP (TF-IDF), PCA
- **Data Engineering:** ETL Design, Data Modeling, Data Governance, Data Quality Management

PROFESSIONAL EXPERIENCE

EirGrid PLC   **Dublin, Ireland**
Operations Analyst   *January 2023 – Present*

- Designed and deployed a Python $\rightarrow$ Excel $\rightarrow$ Power BI ETL pipeline converting unstructured audit records into automated reporting dashboards, eliminating 5–10 hours of manual reporting effort per week.
- Created a Python-based report automation framework that improved reproducibility and reduced recurring data preparation time by about 60% by standardizing validation logic and formatting.
- Built and maintained Power BI data models, DAX measures, and interactive dashboards that provide real-time visibility of compliance KPIs across multiple departments.
- Created tiered analytics reporting layers (weekly operational, monthly functional, quarterly executive), improving transparency and enabling strategic performance review discussions at senior leadership level.
- Workflow delays were reduced and proactive mitigation of high-risk compliance areas was made possible by the implementation of a Power BI Risk Register with conditional thresholds and trend monitoring.
- Worked alongside subject matter experts to verify datasets, ensuring precision across various compliance areas.
- Overlooked all aspects of regulatory audits, including planning, data preparation, stakeholder coordination, and post-audit follow-ups, to guarantee timely submissions and no violations of the law.
- Implemented a Power BI Risk Register with conditional thresholds and trend monitoring, enabling proactive mitigation of high-risk compliance areas and reducing workflow delays.

EY (Ernst & Young)   **Bangalore, India**
Audit Analyst   *June 2019 – July 2021*

- Executed data validation and statistical testing of IT controls across 7+ international audit engagements spanning finance, manufacturing, and technology sectors
- Performed testing and documentation of 100+ ITGC and SOX controls, ensuring compliance with PCAOB and regulatory standards
- Identified 50+ high-risk areas and delivered recommendations that improved control effectiveness and reduced audit exceptions
- Applied SQL queries and statistical sampling techniques to detect anomalies in transaction datasets, improving testing efficiency and audit accuracy

- Delivered clear, actionable audit reports to technical and non-technical stakeholders, including C-suite executives at multinational clients
- Supported IT audit walkthroughs and detailed testing for leading wealth management firms and banks, covering financial reporting, loans, money transfers, and securities processes

PROJECTS

NLP-Based Course Recommendation Engine
Python, SQL, TF-IDF, Cosine Similarity

- Created a recommendation system that used TF-IDF vectorization of role descriptions and skill keywords to map job titles to pertinent upskilling courses.
- Prior to model training, job/curriculum datasets were cleaned, normalized, and categorized using an ETL workflow.

Time-Series Forecasting for Financial Data
R, ARIMA, Yahoo Finance API

- Built ARIMA forecasting models to predict financial KPIs for top 5 US stocks; generated insights supporting annual budgeting decisions and scenario planning.

Spotify Recommendation Prototype
Python, K-Means, Random Forest, PCA

- Developed a proof-of-concept recommendation engine to cluster songs and predict preferences; visualized key trends and model outputs for stakeholder review.

Big Data Climate Analysis (Proof-of-Concept)
AWS EC2, Hadoop MapReduce, PCA

- Processed multi-county climate datasets using Hadoop MapReduce; applied PCA to identify key environmental factors correlated with mortality trends.

EDUCATION

National College of Ireland   **Dublin, Ireland**
Master of Science in Data Analytics   *September 2022*

- Relevant Coursework: Machine Learning, Statistical Modeling, Big Data Analytics, Data Visualization, Business Intelligence

University of Mumbai   **Mumbai, India**
Bachelor of Engineering in Computer Science   *May 2019*

CERTIFICATIONS

- Data Analysis with Python – FreeCodeCamp
- SQL for Data Analysis – LinkedIn Learning
- R Programming for Data Science – Credly
- Data Analytics Essentials – IBM
- Excel Essentials for Data Analytics