Pritish Mehta

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Visa Status: Stamp 1

Summary

I am a Data Analyst with 4+ years of experience in financial and energy industries. Managing several audits, evaluating data, detecting trends and hazards, and developing dashboards and automated workflows that boost productivity and precision are all part of my current job. I have a Master's degree in Data Analytics and have worked on projects related to forecasting, big data, and machine learning. I am currently seeking a position that focuses on data, where I can apply my technical expertise and practical experience to address practical business issues.

Technology Skills

Coding Languages: Python (Pandas, Scikit-learn), R, Java, C++, C, Scala, Spark, Git, Flask, Streamlit, SQL
Data Visualization: Tableau, Power BI, Excel, Matplotlib, Google Analytics
Cloud Platforms: AWS, Azure
Databases: Oracle, SQLite
Statistical Tools: IBM SPSS, R Studio
Soft Skills: Analytical Thinking, Decision Making, Critical Thinking, Client Interaction, Problem-Solving
Data Management: Database Design & Management, Data Quality Assessment, Data Analysis, Pattern & Trend Identification, Data Governance
Scripts: Shell Scripting (Linux), PowerShell (Windows)

Work Experience

Operations Analyst   Jan 2023 – Present *EirGrid*   *Dublin, Ireland*

- Manage multiple audits centered on compliance and operational efficiency while working with cross-functional teams to guarantee data integrity and risk reduction.
- Analyze large volumes of power system and operational data to identify trends, root causes, and improvement opportunities.
- Create dynamic dashboards using tools like Power BI to track KPIs and communicate insights clearly to stakeholders and the Board.
- Create automated processes that reduce manual tasks, shorten turnaround times, and increase reporting accuracy.
- Support data governance initiatives by helping shape policies and leading risk assessments that ensure regulatory alignment.
- Collaborated with cross-functional teams to implement data-driven process improvements, optimizing workflows and ensuring compliance.

Audit Analyst   Jun 2019 – Jul 2021 *EY*   *Bengaluru, India*

- Conducted extensive research and analysis on data, generating comprehensive reports on research activities.
- Utilized data analysis techniques to gain insights into problem areas.
- Performed thorough data validation on information sourced from diverse global suppliers.
- Contributed to over 7 IT Audit/Consulting projects for clients spanning various industries, sizes, technologies, and complexities.
- Reviewed audit workpapers and collaborated closely with managers and stakeholders to ensure audit quality and timely delivery.
- Gained exposure to international audit standards and complex audit environments, building a strong foundation in compliance and risk analytics.

Project Work

Stock Market Prediction / Dashboard

- Developed forecasting ARIMA model using R to predict performance of top 5 US stocks listed on Yahoo Finance (97.8% accuracy).
- Built a real-time stock market dashboard using Flask and deployed it on Render.
- Integrated live financial data APIs (e.g., NASDAQ, S&P 500) with dynamic visualizations.
- Aggregated financial news with sentiment analysis for market insights.

Big Data Analytics

- Analyzed crop mapping dataset using AWS EC2 machine and performed Principal Component Analysis.
- Aggregated weather data of 20+ counties and used Hadoop MapReduce for dimensionality reduction.
- Correlated weather pattern shifts with mortality data using Irish meteorological data.

Spotify Recommendation Engine

- Employed K-means clustering and Random Forest algorithms to predict songs based on popularity.
- Utilized data visualization tools to present findings and insights to stakeholders.

Sign Language Recognition (MSc Research)

- Developed a deep learning model combining 3D-CNN and LSTM to translate ASL to English text.
- Utilized TensorFlow, OpenCV, and MediaPipe for real-time gesture recognition and video preprocessing.
- Designed and evaluated CNN, GRU, CNN+LSTM, and 3D-CNN+LSTM models using accuracy metrics and learning curves.
- Applied PCA for effective gesture detection and frame feature extraction.

Education

MSc in Data Analytics	Sept 2021 - Sept 2022	*National College of Ireland*	*Dublin, Ireland*
BE in Computer Engineering	May 2015 - May 2019	*Mumbai University*	*Mumbai, India*

Achievements

- Received SPOT award for exceptional work in an audit at EY.
- Member of Organising committee of SAKEC Model United Nations 2018; participated in Vidyalankar Institute of Technology Model United Nations 2018.
- Served as the liaison officer for 450+ students at college, resulting in a record number of registrations.
- Worked as a volunteer at Make a Difference NGO which empowers communities to take radical responsibility for their most vulnerable children and ensure they get the care & support needed to break the cycle of poverty permanently in a single-generation.