Dhara Patel | Data Analyst

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SUMMARY

Detail-oriented Financial Data Analyst with a technical edge and hands-on experience in financial analytics, supporting cash flow data models and automating ETL workflows using Python. Proven ability to build and maintain data pipelines, ensure accuracy across financial systems, and deliver insights through **SQL**, **Python**, and **Excel**. Skilled at analyzing operational and financial data, **streamlining reporting processes**, and contributing to strategic planning. A quick learner who thrives in cross-functional teams and enjoys solving complex challenges.

TECHNICAL SKILLS

Languages: Javascript, **Python** (pandas, NumPy), **SQL**, HTML, CSS
Data Visualization & Reporting: Tableau, **Power BI**, Matplotlib
ETL & Data Engineering: Data Cleaning, Ingestion, Transformation, Workflow Automation
Tools: Git, Jira, REST APIs, **Advanced Excel (Vlookups, Pivot Tables, Charts, Marcos)**, PostgresSQL

PROJECTS

AI Chatbot *(FastAPI, Elasticsearch, Pinecone – Jan 2025)*
Collaborated with a team of 4 to build an AI chatbot to assist users with legal inquiries and gain AI/ML exposure.
- Built automated data pipelines to clean and structure large volumes of legal text saving hours of manual work.
- Applied query optimization techniques to reduce retrieval errors and improve AI response accuracy by **30%.**

PROFESSIONAL EXPERIENCE

Backend Software Engineer | Game Payy (Freelance)   *Nov 2024 - Present*
- Developed backend systems and structured databases to support analytics and efficient querying.
- Optimized API performance and implemented validation logic, reducing system downtime by **20%**.

Fixed Income Data Analyst | Bloomberg LP - Global Data Management   *Aug 2022 - Jan 2024*
- Built and maintained robust **ETL** processes in **Python, Excel, and SQL** to **automate mortgage cash flow modeling and reporting for real-time financial analytics** on the Bloomberg Terminal.
- **Significantly reduced recurring help desk tickets** by identifying root causes of data processing failures, like missing or inaccurate calculations, and deploying resilient automation via Python scripting and Excel macros.
- **Resolved data-quality issues** on incoming securities —investigating large collateral files, recalculating principal & interest schedules to reconcile misaligned cash-flow totals, and feeding KPI dashboards for same-day publication.
- Partnered across Sales, Finance, Legal, and Data teams to troubleshoot and clearly translate complex data in a fast-paced, high-stakes environment while **strengthening accuracy**, **sourcing**, and **audit** processes to support performance forecasting.

Sales Manager | Gravity Training Zone   *April 2017 - July 2021*
- Led product innovation initiatives backed by sales trends and patterns in membership payment data that **improved client retention and reduced costs by 25%**, while driving over **$100K in monthly sales**.

E-commerce Business Owner | Independent Seller on Amazon   *July 2017 - Aug 2019*
- Conducted market research of industry trends, identifying high-demand products with few competitors using an online tool.
- Leveraged historical sales data to forecast demand, optimizing inventory levels and **reducing stock outs by 10%**.
- Led comprehensive profitability analysis, **reducing costs by 20%** and **maximizing profitability using Excel** lookups and pivot tables and data-driven pricing strategies.

EDUCATION

Bachelor of Arts in Economics (Rutgers University, New Brunswick, NJ)   *April 2022*
(Courses: Quantitative analysis, **Statistics** I & II, Big Data and **Forecasting**)
Software Engineering Program at Fullstack Academy   *May 2024 - August 2024*
Certificates: Google Data Analytics, **Bloomberg Market Concepts Certificate**   *June 2022*