Roshni Khatri

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EXPERIENCE

Nutrien — Loveland, CO
SAP Business Analyst — June 2024 - Present
- Developed interactive dashboards using Power BI, which enhanced data visualization and informed decision-making across teams.
- Executed ETL processes to extract and load data into SQL databases, ensuring high data accuracy for analysis.
- Established and monitored key performance indicators using SQL, facilitating continuous improvement initiatives.
- Collaborated with stakeholders to define data analysis objectives, contributing to successful project outcomes aligned with business goals.

University of Cincinnati, College of Medicine — Cincinnati, OH
Research Assistant (Data Analytics) — Aug 2023 - March 2024
- Analyzed clinical datasets of over 50,000 patient results via dynamic SQL queries, improving reporting accuracy by 15%
- Created interactive dashboards in Tableau and Excel to visualize surgery outcomes and improve report turnaround time
- Managed data quality and warehouse structure, optimizing ETL processes to enhance reporting accuracy

Delaware North America — Remote
SAP Technical Intern — May 2023 - Aug 2023
- Analyzed SAP datasets using Excel and SQL, streamlining data workflows and improving processing speed by 25%
- Built intuitive dashboards in Power BI, improving key metrics visibility for clients and supporting decision-making
- Conducted A/B testing to evaluate different data strategies, leading to a 10% improvement in process efficiency
- Collaborated with teams to document and enhance data processes, improving efficiency through structured workflows

University of Cincinnati, College of Medicine — Cincinnati, OH
Research Assistant (Data Analytics) — May 2021 - April 2023
- Built a Bash-based pipeline to process 100,000+ records, enabling timely updates and cutting manual handling by 50%
- Analyzed gene datasets with R and SQL, uncovering over 1,000 patterns and providing enhanced insights into trends
- Implemented quality control measures that improved data accuracy by 30%, ensuring reliable insights for decision-making
- Collaborated with teams to interpret results and support projects, contributing to a 15% increase in project success rates

Accenture — Remote
Data Analyst Apprenticeship — May 2020 - Aug 2020
- Analyzed over 10,000 records using Python and SQL to uncover detailed insights on enrollment trends during COVID-19
- Designed a database schema to track enrollment and retention, optimizing data storage and retrieval for efficient analysis
- Created visualizations with Matplotlib and Seaborn to communicate student engagement trends to stakeholders
- Developed Tableau dashboards on COVID-19's impact on education, enabling data-driven decisions for senior management

PROJECTS

- **KroDash:** Developed a Flask based retail data dashboard on Heroku with a Bootstrap front-end and Microsoft Azure PostgreSQL for efficient data processing, enhancing Kroger data analysis for better decision-making
- **AI-Powered Coding Assistant:** Developed an AI-driven Flask web application that enhances student engagement and improves programming proficiency metrics by 25%, while delivering a 240x cost saving compared to employing full-time teaching assistants
- **Sales Analysis:** Analyzed transactions with Python and SQL, creating Tableau dashboards that improved forecasts.

TECHNICAL SKILLS

Languages: Python, R, SQL (MySQL/Postgres), JavaScript, HTML/CSS
Data Visualization: PowerBI, Tableau, Matplotlib, Seaborn, Plotly, RShiny, ggplot2, Excel
Developer Tools: Git, Docker, Azure, Google Cloud Platform, AWS, Heroku, VS Code, Jupyter, Colaboratory, Agile
Databases: relational databases, entity-relationship modeling, DBT, ETL, MS SQL Server, SQLite, SQLAlchemy, Snowflake

EDUCATION

University of Cincinnati — Cincinnati, OH
Bachelor of Science in Computer Science - Data Analytics Concentration — GPA: 3.7/4.0

Certifications: SQL Associate, MS Azure Fundamentals, IBM Data Science Practioner