Vizal S L

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Motivated and enthusiastic **Data Engineer** with a strong passion for learning and implementing **data-driven** solutions to solve complex business challenges. Proficient in building and optimizing **data pipelines**, managing large-scale **datasets**, and designing efficient **ETL workflows** to support business intelligence objectives. Skilled in **Python**, **MySQL**, and **Power BI**, with experience in **data modeling**, **big data processing**, and creating actionable insights through **visualization**. Committed to continuous learning, showcasing strong **problem-solving**, **adaptability**, and **teamwork** to contribute to innovative projects and organizational growth.

SKILLS

Programming Language	-	Python (Pandas, Matplotlib, Seaborn)
Database	-	MySQL
Bigdata Framework	-	Apache Hadoop, Apache Spark
Data Visualization	-	Power BI

PROJECTS

Movie Insights Analytics Pipeline

- Built an analytics pipeline to process and analyze user-movie interaction data using **MySQL** and **Python**.
- Extracted, cleaned, and transformed raw data, leveraging SQL queries for key insights.
- Developed visualizations in **Matplotlib** and **Seaborn** to present user engagement metrics effectively.

Personal Finance Management System

- Built a **MySQL** relational database to manage financial data, automating ETL processes using **Python** for seamless data ingestion.
- Extracted, cleaned, and transformed data with **Pandas** for analytical insights.
- Delivered actionable insights by visualizing financial trends and patterns with **Matplotlib**.

Real-Time Stock Data ETL Pipeline with Visualization

- Built a real-time **ETL** pipeline using **yfinance** to extract and load stock data into **MySQL**.
- Transformed and cleaned data with **Pandas** for accuracy.
- Visualized stock trends in **Jupyter Notebook** for actionable insights.

INTERNSHIP

Bosch Global Software Technologies, Bangalore   Jan 2024 to Apr 2024
   Student Trainee

- Developed industrial-standard microcontroller code, leveraging strong programming skills.
- Collaborated with cross-functional teams, demonstrating adaptability, problem-solving expertise, and effective teamwork.

EDUCATION CREDENTIALS

Government college of technology, Coimbatore   2020-2024
Bachelor of Engineering in **EEE-** CGPA **8.72**