KIRAN SONGIRE

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EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems   **New York, NY**
Master of Science (MS) in Data Science| **GPA:** 3.85/4   December 2023
Savitribai Phule Pune University, PES Modern College of Engineering   **Maharashtra, India**
Bachelor of Engineering in Computer Engineering | **GPA**: 7.44/10   June 2019

PROFESSIONAL & ACADEMIC EXPERIENCE

Deloitte Consulting LLC (Data Engineer):   **Remote (July 2024 - Present)**
- At Deloitte, I developed automated ETL pipelines to ingest XML data fields and create outgoing vendor data files using Data Fusion, Cloud Run flask application (Python), Cloud Functions, and SQL stored procedures. This initiative significantly reduced processing time by 40%, enhancing the efficiency of our data operations.
- Monitoring Data Ingestion and long-running files, filtering records, and fine-tuning SQL queries in the Production environment.
- Built Alert modules to process SQL queries and produce Excel sheets for transactions and bills with underlying client business requirement

Eitacies Inc (Data Engineer):   **Remote (May 2023 - September 2023)**
- The Project was designed to automatically detect regulatory risks in multimedia content, including video marketing, video conferencing, and audio recordings, using ML Models. It succeeded by effectively identifying regulatory risks and gaining confidence in my project management skills and technical expertise.
- Evaluated Sentimental analysis accuracy for customer opinions and skills in data preprocessing.

Adrosonic (Software Analyst):   **Mumbai, India (Aug. 2019 - Nov. 2020)**
- Led the Knowledge Mill application as a Microsoft Outlook mobile extension for iOS. This leadership role allowed me to organize and extract emails within Outlook with 98% accuracy, optimizing data integration using Reactive Swift and a Restful API, resulting in a 95% client satisfaction rate.
- E-commerce Website (**Python, Tableau**) –Recommended and performed Data Analytics of most searched queries for recommendations to optimize the shopping experience, leveraging Python and SQL, which improved efficiency by 35%. Analyzed website records to inform senior management decision-making, creating **Tableau** dashboards from 15+ volume and 10+ performance KPIs, facilitating a 15% uptick in customer satisfaction scores.

PROJECTS

ETL Pipeline on Google Cloud Platform:
- Designed and implemented an ETL pipeline to process audible transaction data and book metadata using Google Cloud Platform (GCP) tools, including Cloud Storage, BigQuery, and Cloud Composer (Apache Airflow)
- Preprocessed and cleansed datasets using **Google Colab** and Python libraries, then loaded transformed data into **BigQuery** for advanced querying and analytics.
- Created interactive dashboards in **Google Data Studio** to analyze trends and generate insights from the processed data.

Counterfeit Detector :
- This web application allows users to identify counterfeit notes based on four features: variance, skewness, kurtosis, and entropy. It uses three **Machine Learning Models: Decision Tree**, **KNN,** and **Logistic regression**. I used the Banknote Authentication dataset obtained from Kaggle. I developed the front end in **Streamlit** and the back end using **FastAPI**.

Bank Database - Database Design & Advanced SQL Analytics :
- I architected and employed a corporate bank's database for this project, covering conceptual and logical design. It led to a significant 30% increase in data retrieval efficiency. I also implemented advanced SQL, including multi-table joins, and presented the insights through a dashboard, significantly enhancing the bank's data management capabilities.

SQL Database chatbot for Natural Language Query:
- Developed an interactive "Chat with the SQL Database" application showcasing LangChain's integration with natural language processing and SQL database management.
- Users can interact with the SQL database in everyday language, allowing queries to be answered with SQL commands. The chatbot generates responses and supports learning and query refinement over time, making it easy for those unfamiliar with SQL to engage with the database.

SKILLS

Languages & Database	- Python, SQL, R, MySQL, PostgreSQL, DBeaver.
Visualization Tools	- Tableau, Power BI, Excel, Microsoft Excel, Google Data Studio.
Cloud Platforms	- Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Azure
Data & ETL Technologies	- Apache Airflow, Docker, Big Query, Cloud Run, Scheduler, Data Fusion, VMinstance
Other Skills	- Github, Microsoft Office, Agile, JIRA.

CERTIFICATION :
- **AWS Certified Cloud Practitioner**   **July 2023**