

KIRAN SONGIRE

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CAREER SUMMARY

Experienced Business Intelligence and Data Analyst with 3.5 years of data analysis and visualizations across finance, retail, and telecom sectors.

EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems

Master of Science (MS) in Data Science | GPA: 3.85/4

New York, NY

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

Lead CI Lab Teaching Assistant-Pace University

- Mentored and instructed over 200+ students for data wrangling, and visualization (Python, R, SQL, Tableau, and Alteryx), boosting academic performance by 38%.
- Developed an innovative image captioning solution leveraging Flask, OpenAI, and Python, adding automated captions to images for enriched context and meaning.

Eitacies Inc (Data Engineer):

Remote (May 2023- September 2023)

- The **Confsec** Project was designed to automatically detect regulatory risks in multimedia content, including video marketing, video conferencing, and audio recordings.
- I was responsible for performing advanced data science techniques using **ML models** and Sentimental analysis to identify potential risks within text obtained by Speech recognition -video-to-audio text with timestamps using **OpenAI/whisper** library.

Adrosonic (Software Analyst):

Mumbai, India (Aug. 2019 – Nov. 2020)

- Led Knowledge Mill application as Microsoft Outlook mobile extension for iOS. Managed to organize and extract emails within Outlook with the migration of data with 98% accuracy optimizing data integration **Reactive Swift, Restful API**, resulting in a 95% Client satisfaction rate.
 - E-commerce Website (**Python, Tableau**) – Front end and 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.
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PROJECTS

Counterfeit Detector - (Python frameworks - FastAPI, Streamlit):

- This is a web application that allows users to identify counterfeit notes based on 4 features - variance, skewness, kurtosis, entropy. It uses 3 **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 in **FastAPI**.

Integrated Corporate Database Management System (Jupyter Notebook, Lucid chart, PostgreSQL, Python, SQL, Tableau):

- Architected and employed a corporate bank's database, covering conceptual and logical design, leading to a 30% increase in data retrieval efficiency. Implemented advanced SQL, including multi-table joins, and presented the insights through a dashboard.

Trading strategy for predictive stock purchases IBM (Jupyter NB, Python, Machine Learning):

- Developed to perform two distinct simple trading strategies in the **yahoo Python finance library** which uses **machine learning classification** modeling approaches for a **Time series**. Here the target variable was buying or selling stock.

Netflix Data Analysis(Python, PostgreSQL, Tableau):

- I created a **Netflix dashboard** using **Tableau** to analyze the dataset and uncover insights and data-driven decisions about the most popular shows and genres by Ratings, Country, years, etc.
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SKILLS

Languages & Database - Python, R, SQL, MySQL, PostgreSQL, MongoDB, Snowflake.

Visualization Tools - Tableau, Power BI, Excel, QlikSense, Looker, Microsoft Excel

Cloud Platforms - Amazon Web Services (AWS), Google Cloud Platform (GCP), Microsoft Azure

Data & ETL Technologies - Apache Airflow, Docker, Alteryx, BigQuery, Jupyter, S3, RDS, R-studio, Oracle

Other Skills - Git, MS Office, Google Analytics, A/B Testing, Agile, JIRA