**SUMIT SAKARKAR**

Data Scientist | Data Analyst | Data Engineer

Chicago, IL· Mobile : 332.260.5922 · sakarkar.sumit.08@gmail.com · [LinkedIn](https://www.linkedin.com/in/sumit-sakarkar/)

**PROFESSIONAL SUMMARY:**

Promising Engineer in line to graduate in **Spring 2024**, backed by 2 years of practical experience in Data Science. Proficient in crafting potent machine learning and data pipelines to provide data-driven decisions. Demonstrated ability to consistently deliver impactful solutions while working in a collaborative environment. My commitment to excellence motivates my pursuit of openroles in **data analytics.** Open to Relocation.

**SKILLS:**

* Tech Stack: **Python, SQL, R**, C++, HTML, CSS, JavaScript, **Git, Version Control.**
* Tools: **Tableau, PowerBI**, Microsoft Excel, Microsoft PowerPoint, Jupyter Notebook, Linux, Windows, MacOS**, Spark**
* Areas of Expertise: Computer Vision, NLP, Data Analytics and Visualization,AI, Machine Learning (NumPy, Pandas, Scikit-Learn, XGBoost, TensorFlow, PyTorch, Seaborn, Matplotlib, Plotly, **Model Training and Deploy**), **Database Design and Analytics, ETL**.
* Advanced SQL, Azure, Databricks.
* Agile Project management tools ( Jira, Notion ), Slack, Teams, Confluence, Bitbucket, Github, Snowflake.

**EDUCATION**:

**Masters in Computer Science (MS),** Illinois Institute of Technology GPA: 3.7 / 4.0 MAY 2024

**Bachelors in Computer Engineering (B. Tech)**, MIT Academy of Engineering GPA: 9.3 / 10 MAY 2021

**WORK** **EXPERIENCE**:

**WiseMint, NDP Holdings - Data Scientist**  JAN 2024 - PRESENT

* Analyzed and processed extensive financial datasets using Python and SQL, leading to a 20% enhancement in predictive modeling accuracy.
* Worked on data visualization initiatives, creating impactful visual representations that facilitated comprehensive understanding of complex financial trends.Collaborated on three major projects, applying predictive modeling to drive data-driven decisions, honing skills in both data visualization and forecasting.

**FruitPunch AI - Scrum Master and Data Scientist** OCT 2023 - FEB 2024

* Served on the **AI for Coral Reefs - 2** project with FruitPunch, showcasing adept project management skills while actively contributing to data exploration and model deployment.
* Implemented robust **data pipelines to support Meta's Segment Anything model and Ultralytics YOLO V8** for coral reef segmentation, handling a dataset of 60,000+ images and achieving an impressive 88 percent accuracy and improving.This included seamless data flow and processing, enhancing the efficiency and reliability of our cutting-edge computer vision models.
* Founded a local **AI for Good** chapter, uniting professionals for collaborative real-life projects. Drove **community engagement** through knowledge-sharing sessions, fostering a collective commitment to leveraging AI for environmental conservation.

**Abzooba, Pune, India - Data Scientist** MAR 2021 - JUL 2022

* Developed and implemented **data pipelines** to address low order fulfillment rate issues for a supermarket chain. Utilized warehouse and store-level data, creating a predictive system with **93% accuracy, improving customer satisfaction through streamlined operations.**
* Leveraged SQL expertise to efficiently extract, analyze, and manipulate large datasets, enabling accurate revenue predictions and driving data-driven decision-making in a professional environment.
* Deployed robust time series analysis and signal processing techniques on large datasets, resulting in a **10% improvement in net revenue forecast accuracy**. Redesigned and optimized data engineering pipelinesfor an e-commerce platform, incorporating efficient data preprocessing and feature engineering processes. Improved decision-making by providing reliable insights, contributing to the client's competitive edge in the dynamic e-commerce landscape.
* Devised machine learning models with more than **85% accuracy on real-time data** using XGBoost, Random Forest, and ARIMA for regression and classification tasks. Created appropriate documentation for analytical work.
* Continuously monitored and fine-tuned more than 6 deployed machine learning models to maintain peak performance.

**WeInven8, Pune India - Data Analyst (Intern)** MAY 2019 - OCT 2019

* Conducted **exploratory data analysis on Terabytes of data**, determining trends and uncovering actionable insights to support informed decision-making for identifying opportunities for cost optimization in the healthcare sector.
* Cleaned and preprocessed raw data using **Python and SQL**, ensuring data quality and integrity for accurate analysis.
* Enhanced marketing campaign performance by segmenting customers based on purchase behavior, resulting in a **15% increase in targeted promotions and a 20% boost in overall customer engagement**.

**EXTRACURRICULAR PROJECTS :**

**Github Repository :** [**https://github.com/sumit-sakarkar**](https://github.com/sumit-sakarkar)

**Attendance Management System using Face Recognition**

* Developed a robust Attendance Management System utilizing computer vision, achieving a **20% reduction** in time spent on manual tracking.
* Implemented Haar-Cascade along with LBPH algorithms and Python-based SQL integration, resulting in a **35% improvement in accuracy** and efficiency in attendance record management.

**PUBLICATIONS :**

“Web Personalization Based on User Interaction”, 3rd ICICV Feb 2021 Developed an interface to provide personalized experience to users based on explicit user feedback. **Learnings: Web scraping, Python Audio, Page Rank Algorithm**