

SAMIDHA BHOSALE

+1 (716) 328-8370 | samidhabhosale7@gmail.com | New York, USA | [linkedin.com/in/samidha-bhosale/](https://www.linkedin.com/in/samidha-bhosale/)

PROFESSIONAL SUMMARY

Data Science graduate passionate about advancing AI through measurable impact, experienced in data preparation, modeling, and deployment using Python and SQL. Keen problem solver who learns fast and leverages prior experience to create reliable, inventive solutions.

SKILLS

- Programming Languages:** Python, SQL
- Machine Learning & AI:** scikit-learn, PyTorch, LLMs, Natural Language Processing, Prompt engineering, feature engineering, model evaluation
- Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Plotly, Streamlit, Power BI, Tableau
- Data Platforms & DevOps:** Spark, Docker, Linux, REST APIs, GitHub Actions (CI/CD)
- Databases & Cloud:** PostgreSQL, MySQL, Google Cloud Platform

WORK EXPERIENCE

Community Dreams Foundation
Machine Learning Engineer

Buffalo, United States
Aug 2025 - Present

- Designed and implemented machine learning applications and algorithms aligned to prioritized project requirements by collaborating with management to define needs.
- Interpreted data and analyzed results for ongoing performance reports using statistical techniques.
- Developed and maintained databases and data collection systems for model training and evaluation by sustaining structured collection and storage.
- Identified, analyzed, and interpreted trends/patterns in complex data sets to enhance model accuracy across model workstreams by locating and defining new process improvement opportunities in development and deployment.

PROJECTS

Neural Style Transfer Web App - [GitHub Link](#)

Jan 2025

- Developed a VGG-19 style-transfer pipeline in PyTorch with NumPy-based preprocessing, achieving near real-time stylization for locally uploaded images in developer tests.
- Built an interactive Streamlit app with Matplotlib previews (upload → live preview → download) that increased iteration speed for local experimentation and benchmarking.

Natural Language to SQL - [GitHub Link](#)

June 2024

- Delivered 95%+ text-to-SQL accuracy on test cases by designing OpenAI GPT-3.5 pipelines with Prompt Engineering and robust REST APIs for request handling.
- Standardized real-time analytics access for non-SQL users via a responsive Plotly dashboard and implemented GitHub Actions (CI/CD) for automated testing and deployments.

SpaceX Falcon 9 Launch Analysis - [GitHub Link](#)

Jan 2024

- Automated ingestion of SpaceX launch data by building end-to-end ETL workflows with REST API + web scraping, transforming datasets via Pandas and SQL, and enabling Data Visualization dashboards.
- Achieved 85%+ accuracy across distributed datasets by training supervised ML models in scikit-learn and feature engineering.

EDUCATION

University at Buffalo, The State University of New York
Master of Science in Data Science

Buffalo, United States
Jan 2024 - May 2025

University of Mumbai
Bachelor of Engineering in Electronics and Telecommunications

Mumbai, India
July 2017 - June 2021

INTERNSHIP EXPERIENCE

Embedded Technosolutions
Embedded Systems & AI Intern

Mumbai, India
Dec 2018

- Built Raspberry Pi data-capture pipelines in Python and deployed lightweight on-device ML for real-time sensor streams.

Bhabha Atomic Research Centre
Research Intern

Mumbai, India
Dec 2019

- Analyzed control circuits and instrumentation data for the Dhruva Research Reactor and documented safety interlocks/failure points, establishing a structured, data-driven diagnostics approach for high-reliability systems.

ADDITIONAL

- JPMorgan Chase – Advanced SWE (Forage), In Progress — Java/Spring Boot + Kafka microservice; REST APIs & tests
- IBM Data Science Professional Certificate
- Publication: Prime Numbers and Their Digital Roots (Mathematics). IRJET, Volume: 09, Issue: 09