

SAKSHEE SAWANT

Brooklyn, NY | sakshee.sawant@nyu.edu | +1 (929) 689-4606 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Education

New York University, NY - Master's in Computer Engineering (GPA: **3.8/4.0**) 09/2023 – 05/2025
Database Systems, Adv. ML [Continual Learning, Transformers, Multimodal LLMS, RL], Deep Learning, Adv. Computer Vision

University of Mumbai, MU - Bachelor's in Computer Engineering (GPA: **9.4/10**) 06/2018 – 05/2022
DBMS, Data Warehousing & Data Mining, Cloud Computing, Data Structures, OOPS, Natural Language Processing

Technical Skills

Languages: SQL, Python (Pandas, NumPy, Matplotlib, Scikit-learn, Seaborn, TensorFlow, PyTorch, OpenCV, Django), R, C, C++, Java, JavaScript, HTML, CSS, PHP

Databases & Cloud: Oracle, PL/SQL, MySQL, MongoDB, Hadoop, HiveQL, DBT, Spark, Airflow, AWS (S3, Redshift, DynamoDB, EMR), GCP, Azure, NoSQL, Kubernetes, Data modeling, Data warehousing, SparkSQL

Machine Learning: Linear/Logistic Regression, Decision Trees, Random Forest, SVM, K-Means, PCA, CNN, Auto-encoder, RNN, LSTM, GANs, Ensemble methods (Bagging, Boosting, Stacking, XGBoost), Optimization (Gradient Descent, SGD, Adam), CUDA, Hyperparameter Optimization (Random Search, Bayesian Optimization), Reinforcement Learning

Generative AI & LLMs: LLM, Generative AI (GenAI), Stable Diffusion, Recommendation Systems, Prompt Engineering

Certifications: [Salesforce Certified Administrator \(Cred ID 3465434\)](#), [Python Microsoft Certification \(Score: 98/100\)](#)

Professional Experience

Accenture | Data Engineer 09/2022 – 08/2023

- Optimized ETL pipelines, boosting performance by **22%** for **ad hoc analytics** and **data modeling**.
- Managed **AWS resources (RDS, Redshift)**, efficiently loading data with **SQL-based ETL tools** and streamlining data validation to ensure accuracy and consistency across sources.

Endless Frontier Labs | Machine Learning Analyst 08/2024 – Present

- Delivered insights on **60+ GenAI and ML startups**, assessing their models to enhance efficiency and drive innovation.
- Collaborated cross-functionally with teams to analyze market potential, providing strategic recommendations that contributed to a **25% increase** in investor interest for portfolio companies.

New York University | Machine Learning Research Assistant 03/2024 – 09/2024

- Analyzed and optimized an **ensemble machine-learning** model using **Python (Scikit-learn, Pandas)** to process and transform geotechnical data, ensuring high data quality through rigorous cleaning and preprocessing techniques, and improving accuracy with **cross-validation** and evaluation metrics.

Jupiter AI Labs | Machine Learning Intern | [Link](#) 07/2022 – 09/2022

- Played a key role in automating prospect recognition and document validation for Canada-based real estate agents using **BERT** for improved natural language understanding. Reduced manual effort by **45%** and increased overall productivity.

Ifanow - Futurewise Technologies Pvt Ltd | Backend Development Intern | [Link](#) 08/2021 – 11/2021

- Developed and deployed APIs for email categorization, **AWS S3 multipart uploads**, and updating SQL database with AWS S3 data. Boosted system efficiency by **25%** and improved data retrieval times by 30%.

Projects

Road Intersection Detection using GANs | [Project Link](#)

- Integrated **Generative Adversarial Networks (cGAN)** and **Computer Vision** techniques to improve steering accuracy.
- Achieved a **30% reduction** in navigation errors, resulting in more reliable autonomous vehicle performance.

Nirbhay Naari - An Artificial Intelligence Tool for Detection of Crime against Women | [Project Link](#) | [Research Paper](#)

- Led development of a **women-centric portal** for abuse victims to seek help integrating **multi-label story classification**, **audio - video violence detection**, and **help hand signal recognition**. Utilized **Django, AWS, ML, NLP, CV** and **DL**.

Entrepôt Optimisé—A Storage Optimizer | [Project Link](#) | [Research Paper](#)

- Devised and implemented an innovative **storage management system** employing a **class-based storage strategy** to prioritize high-demand products and boost warehouse profit margins by **20%**, saving the storage space by **10%**.
- Researched adv. storage techniques using **combinatorial optimization**, **regression models**, and **K-means clustering**.

Automated Crowd Alert Android App for Public Transport Service | Student Researcher | [Project Link](#) | [Research Paper](#)

- Built M-Vahitaram, an **Android app** in **Android Studio (Java)** with a **Firestore backend**, providing real-time crowd density information to bus commuters within 200 meters of bus stops, achieving **93% accuracy**.