SAKSHEE SAWANT

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Summary

Innovative and detail-oriented software engineer with a strong foundation in computer engineering and extensive experience in data engineering, machine learning, and backend development. Proven track record in optimizing data processes, developing APIs, and implementing AI solutions. Seeking a challenging role at Google to leverage my skills in software engineering and data analytics.

Education

New York University, NY - Master's in Computer Engineering **(GPA 3.6/4)**   Sep 2023 – May 2025

Relevant Coursework: Principles of Database Systems, Probability and Stochastic Processes, Machine Learning, Advanced Machine Learning, Deep Learning, Machine Learning for Cybersecurity, System Engineering

University of Mumbai, India - Bachelor of Engineering in Computer Engineering **(GPA 9.47/10)**   Jul 2018 – May 2022

Relevant Coursework: Database Management System, Data Warehousing & Mining, Machine Learning, Software Eng

Professional Experience

New York University | Research Assistant   Feb 2024 – Present
- Contribute to research on pile bearing capacity and machine learning applications.
- Curate and preprocess large datasets, ensuring data quality, and assist in ML model development.

Accenture | Data Engineering Associate   Sep 2022 – Aug 2023
[MS SQL SERVER, INFORMATICA, SALESFORCE]
- Optimized data transformation and loading using ETL Informatica PowerCenter, improving performance by 22%.
- Streamlined data loading processes using SQL Server Management Studio (SSMS) and Salesforce.

Juppiter AI Labs | Machine Learning Intern | Link   Jul 2022 – Sep 2022
[DEEP LEARNING, PYTHON]
- Developed an automated system for real estate agents using Deep Learning and Python, reducing manual effort by 45% and increasing productivity by 58%.

Ifanow - Futurewise Technologies Pvt Ltd | Backend Development Intern | Link   Aug 2021 – Nov 2021
[JAVA, SQL, AWS, REST API.]
- Created APIs for email categorization and AWS S3 multipart uploads, enhancing system efficiency.
- Improved data retrieval times by 30% through SQL database updates.

VESIT Renaissance Cell | Software Engineer Intern | Project Link | Research Paper   Jun 2021 – Aug 2021
- Developed "M-Vahitaram," an Android app for real-time crowd density information with a Firebase backend.
- Achieved 93% accuracy in crowd density prediction, leading to a publication in **Springer's Proceedings of Emerging Trends and Technologies on Intelligent Systems** with ISBN **978-981-19-4182-5.**

Research Projects

Nirbhay Naari - An Artificial Intelligence tool for detection of crime against women | Project Link | Research Paper
- Developed a secure portal for abuse victims, incorporating multi-label story classification, audio-video violence detection, and help signal recognition.
- Utilized Django, AWS, Machine Learning, NLP, and Deep Learning, with findings published in **Springer Lecture Notes in Electrical Engineering**.

Entrepôt Optimisé—A Storage Optimizer | Project Link | Research Paper
- Implemented a class-based storage strategy, optimizing warehouse space and increasing profit margins by 20%.
- Utilized Combinatorial Optimization and Machine Learning techniques, with results published in **IEEE Explore with ISBN 978-1-7281-8596-5**.

Certifications & Achievements
- Merit Scholarship recipient, New York University.
- Attained an impressive 98/100 in Python Microsoft Certification Exam 2020. | Certificate
- Public Relations Officer and Senior Editor (09/2020-07/2022) at the Indian Society for Technical Education
- Salesforce Certified Administrator (Credential ID - 3465434)