Nitant Suhagiya

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Education

Toronto Metropolitan University — Toronto, ON
Bachelor of Science in Computer Science, Co-op — *Sept 2024 – Exp. May 2027*

University of Regina — Regina, SK
Diploma in Computer Science — *May 2019 – June 2021*

Experience

Research Assistant — Oct 2025 – Present
CMIC Lab, TMU — *Toronto, ON*

- Collaborating with a multidisciplinary research team to study the social dynamics of computer-mediated communication (CMC).
- Analyzing behavioural and communication data using statistical tools to identify patterns related to deception detection and social prediction.

Sales & Marketing Manager — Sept 2024 – Present
Greenwood Leather — *Mississauga, ON*

- Originated a **40%** increase in sales by using creative social media marketing techniques, which helped the business become more visible in the marketplace.
- Maintained and strengthened ties with more than **13** B2B clients throughout Canada, resulting in steady revenue growth, good cash flow, and the creation of a distinct product demand based on local geography.
- Worked in tandem with shipping and operational partners to improve packaging, improving customer happiness and cutting expenses by **6.2%**, all of which helped to streamline logistics.

Sales Representative — April 2024 – June 2024
TruGreen — *Toronto, ON*

- Conducted door-to-door sales for residential lawn care services and helped customers manage problems on their property.
- Worked on developing persuasive sales pitches according to the changing season by addressing customer questions and objections, resulting in tailored solutions to customer needs led to consistently meeting weekly sales targets.
- Rewarded with the best salesperson award for June, generating over **120%** of the weekly sales goal.

Projects

F1 Predictior | *Python, scikit-learn, FastF1 API*

- Preprocessed and analyzed free practice session data from the FastF1 API (driver speed, lap times, conditions) to build a structured dataset for predictive modelling.
- Trained an XGBoost model to forecast driver speeds and race performance for current-season events using last year's race data as benchmarks, improving prediction accuracy through feature engineering.

Sorting Visualizer | *HTML, CSS, JavaScript*

- Built an interactive web app that generates large random datasets and animates classic algorithms (Quick, Merge, Bubble), mapping values to dynamic bar charts for real-time visualization by designing step-by-step animations to help users understand algorithm efficiency and behaviour, turning abstract concepts into intuitive learning tools.

NVIDIA Stock Prediction | *Python, Linear Regression*

- Collected and preprocessed one year of NVIDIA stock data using the yfinance API to build a clean dataset for analysis.
- Trained a regression model to forecast next-day closing prices, applying feature engineering and evaluating prediction accuracy as a learning exercise in financial machine learning.

Technical Skills

Languages: Python, Java, JavaScript C/C++, SQL, PHP, HTML/CSS
Frameworks: React, Node.js, Express, Tailwind, FastAPI, Scikit-Learn, XGBoost, LightGBM, TensorFlow, Keras, PyTorch, Pandas, Numpy, Matplotlib, NLP, Computer Vision, LLM
Developer Tools: Git, Github, VS Code, Linux/UNIX, AWS, Power BI, Hugging Face, Flask, Docker, Jupyter Notebook