

Kamella Hoang

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Profile Summary

A hard-working and organized Data Science & Analytics student at Seneca Polytechnic with a perfect 4.0 GPA throughout the semesters. Skilled in Python, R, SQL, and data visualization tools such as PowerBI and Tableau. Strong base in data preparation, statistical analysis, machine learning, and data simulation. Eager to apply all the academic knowledge to real-world problems and contribute to data-driven projects.

Technical Skills

- Database Management:** MongoDB, OracleSQL, Neo4J, DynamoDB, Databricks
- Programming Language and Libraries:** Python, R, Pandas, Numpy, sklearn, nltk
- Data Visualization:** PowerBI, Metabase, Tableau
- Business Applications:** Microsoft Office Suite (Word, Excel, PowerPoint)

Working Experiences

Pho Vinh

Richmond Hill, Ontario

Food and Beverage Captain

July 2024 - Present

- Delivered exceptional customer service in a high-pressure environment, managing over 50 orders per shift while maintaining high satisfaction levels—demonstrating strong organizational and time-management skills.
- Promoted to Captain due to a proven track record of problem-solving, work ethic, and commitment to excellence.
- Optimized team workflows by collaborating on process improvements, resulting in a 20% reduction in wait times during peak hours—showcasing a data-driven approach to efficiency.

Educations

Seneca Polytechnic

North York, Toronto, Ontario

Bachelor of Data Science & Analytics

Jan 2023 - Apr 2026

- Learned the fundamentals of SQL, R, and Python.
- Learned the core principles of probability theory and statistical analysis.
- Gained practical experience with supervised and unsupervised learning techniques.
- Knew how to use data to make business decision and create data visualizations
- GPA:** 4.0/4.0
- Certificates:** President's Honour List (Winter 2023), President's Honour List (Summer 2024), President's Honour List (Fall 2023), President's Honour List (Winter 2024), President's Honour List (Fall 2024)
- Concentrations:** Data Preparation, Machine Learning

Projects

Highway Simulation

Mar 2024 - Apr 2024

Data Scientist, Data Analyst

- Used the discrete time paradigm with agents to build a highway to determine whether early merge or late merge is more effective in increasing volume of traffic.
- Modeled the behavior of cars entering from an on-ramp and main lanes, considering acceleration, braking, merging impacts, and lane changes, with drivers following traffic rules and speed limits.
- Provided graphs about the lane traffic, the waiting time, and the lane speed.

Survival Machine Learning Model

Feb 2024 - Mar 2024

Data Scientist (collaborated with a team member)

- Properly analyze and prepare the data for classification problems
- Training and testing the machine learning models to find the best models to predict the patient's survival status, whether the patient survived 5 years or longer or died within 5 years.
- Developed and evaluated the performances of each model, with Logistic Regression achieving the best performance

Local Sales Restaurant

Sep 2024 - Dec 2024

Data Analyst, Data Scientist

- Conducted a comprehensive analysis of a year of restaurant sales data to predict future trends and customer behavior using machine learning models, with ARIMA achieving the highest accuracy.
- Designed and implemented a Tableau dashboard to visualize sales performance, peak times, and popular menu items, enabling data-driven decision-making.
- Improved data quality through preprocessing techniques, addressing missing values, and transforming skewed data for better machine learning outcomes.
- Delivered actionable insights and recommendations to optimize menu offerings, prepare for peak sales periods, and implement targeted marketing strategies, resulting in operational efficiency and potential revenue growth.