

NIMESH YOGARAJAN

DATA SCIENCE & MACHINE LEARNING

CONTACT

✉ n3yogara@uwaterloo.ca
☎ (647) 720-1881
🌐 Toronto, ON
🌐 [linkedin.com/in/nimeshyogarajan](https://www.linkedin.com/in/nimeshyogarajan)
🌐 github.com/nimesh03

PROFILE

Data Scientist, passionate about creating high-impact products by using statistical modeling and data analysis techniques to solve challenging business problems

TECHNICAL SKILLS

- Python: [Pandas](#), [NumPy](#)
- Machine Learning: [Scikit-Learn](#)
- Deep Learning: [Keras](#), [Tensorflow](#)
- [SQL](#), [NoSQL](#), [R](#)
- Optimization: [SciPy](#)
- Data Visualization: [Plotly](#), [Dash](#), [Matplotlib](#), [Tableau](#)
- Statistics and Probability
- Object Oriented Programming
- AWS

MANAGEMENT SKILLS

- Agile Development
- Project and Team Management
- [JIRA](#), [Git](#), [Trello](#)

EDUCATION

2016 - 2021

UNIVERSITY OF WATERLOO

Bachelor of Applied Science,
Management Engineering

Relevant courses:

- Data Mining and Warehousing
- Statistics and Stochastic Models
- Optimization Models and Methods
- Data Structures and Algorithms

WORK EXPERIENCE

January 2020 – April 2020

Data Scientist | Miovision

Term Project: Signal Phase Predictor

- Created a dynamic tool that infers traffic signal phases using [SciPy](#) and [Optimization](#) techniques to increase product value by **25%**
- Developed a DL model using [Keras](#), [RNN](#) and [LSTM](#) for time series analysis of traffic signal patterns

Other Projects

- Re-designed internal dashboards using [Plotly](#) and [Dash](#) to capture impact of **COVID-19** on vehicle volumes
- Identified customer retention rates from user telemetry using [Pandas](#), and [Matplotlib](#) to deduce areas of improvement in traffic analytics site

April 2019 – September 2019

Data Analyst, Operations | Cardinal Health Canada

- Developed scorecard to identify delinquent vendors using marketing metrics, yielding a max recuperation of **up to \$500,000**
- Performed customer segmentation analysis using [Pandas](#), and [Seaborn](#) to identify improvements for product distribution
- Drove strategy and vision for customer dashboards by translating management insights into innovative solutions
- Built alerting system to segment inventory SKUs by priority, reducing procurement costs by **over \$100,000**

September 2018 – December 2018

Engineering Specialist | Toyota Motor Manufacturing Canada

- Lead root cause analysis to rapidly identify production issues
- Applied statistical process control to optimize line efficiency

January 2018 – April 2018

Business Systems Analyst | Ontario Ministry of Environment

- Independently managed cross-functional team to deliver end-to-end air emission validation tool
- Trusted liaison to engage external clients with business stakeholders for effective project delivery

DATA SCIENCE PROJECTS

Salary Prediction Project

- Designed a solution that allows HR departments to predict the salary of a specific role, given its job features
- Developed machine learning models using [Linear Regression](#), [Random Forest](#) and [Gradient Boosting](#) to forecast salaries by minimizing the [Mean Squared Error](#)

COVID-19 Forecasting Project

- Designed a User Interface that allows users to view forecasts