Amirhossein Hajigholam Saryazdi

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Education

- **M.Sc. in Business Analytics and Technology Management** — Montréal, Canada
  Concordia Universityl — *2021–Present*
- **MBA in Supply Chain and Operations Management** — Tehran, Iran
  Kharazmi University — *2016–2019*
- **B.Sc. in Mechanical Engineering** — Isfahan, Iran
  Isfahan University of Technology — *2010–2015*

Experience

- **Research Fellow in Trustworthy Artificial Intelligence** — Montréal, Canada
  Concordia University — *January 2023 – May 2023*
  - Conducting a systematic scoping review on the impact of algorithmic bias on the perceived fairness of users. (*Paper on SSRN*)
- **Research Fellow in Data Science** — Montréal, Canada
  Concordia University — *June 2021 – September 2022*
  - Collect, prepare, explore, analyze, visualize, and apply **Machine Learning based clustering** on big data from Amazon to study the relationship between online consumer reviews components and price. (*A sample of codes on GitHub*)
- **Business Consultant** — Tehran, Iran
  Real Estate and Construction — *2019 – 2021*
  - Advising family businesses active in the real state and construction sector on their strategies and execution. My job mainly includes identifying areas of the company's operations, human resources, and finance that could be improved.
- **Business Analyst Intern** — Tehran, Iran
  Asia Insurance Company — *2018 – 2019*
  - This leading company was losing market share and I developed a system-dynamics-based model by utilizing data from its financial statements and insurance industry statistical yearbook to provide improvement scenarios

Selected Projects

- Mitigating Unintended Bias in Toxicity Detection Language Model (*Paper on SSRN*, *codes on GitHuB*)
- Implemented Supervised Statistical, Machine Learning, and Deep Learning Models (**linear regression, random forest, SVR, RNN, LSTM, GRU**) with Hyperparameter Tuning by Cross-Validation to Multisteps Forecast of Electricity Prices (*A part of codes on GitHub*).
- Feature engineering consumer reviews sentiment to enhance price prediction of Machine Learning models **linear regression, ridge and Lasso regression, SVR, random forest, XGBoost, and a neural network** on Airbnb listings. (*Codes on GitHub*)
- Reviewing Deep Learning packages for R (**FNN, RNN, CNN**) (*A part of codes on GitHub*)

Computer Skills

Python, R, SQL, SAS, Tableau, Microsoft Power BI, Microsoft Office, AWS.