

# Amirhossein Hajigholam Saryazdi

🌐 Personal Webpage | 🌐 hajigholam | 🌐 hajigholam | ✉ amirhoseyn.saryazdi@gmail.com

## Education

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- **M.Sc. in Business Analytics and Technology Management** Montréal, Canada  
*Concordia University* 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

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- **Teaching Assistant, Mentor, and Facilitator** Montréal, Canada  
*Concordia University* Aug 2021 - Present
  - Business and Engineering Courses
- **Researcher in 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*).
- **Researcher 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*).
- **Industry Roles** Tehran, Iran  
*Real Estate and Construction, Insurance, Automotive* 2018 – 2021

## Community and Services

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- **Adminstrator, Mentor, Coach** Online  
*How to Apply to Business Schools* 2021 – Present
  - “How to Apply to Business Schools” is a social media non-profit group with more than 2000 Iranians who are interested in pursuing their academic journey in a business field abroad. Other admins and I help members by providing resources, mentorship services, professional advice, and conducting workshops. I was the main speaker and contributor to the last workshop.

## Selected Projects

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- 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*)

## Computer Skills

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Python, R, SQL, SAS, Microsoft Excel/VBA, Tableau, Microsoft Power BI, Apache Spark, AWS.