RAMIN MARDANI

375 Spadina Rd., Toronto, ON,CA | raminmardani.github.io/index/ | ramin.mardani@mail.utoronto.ca | +1 (647) 769 5570

CERTIFICATES

Data Science Professional Certificate
IBM

Data Analysis and Machine Learning
University of Toronto

Big Data Science
University of Toronto

Deep Learning Specialization
deeplearning.ai

Business Analytics Specialization
University of Pennsylvania

SQL for Data Science
University of California, Davis

Natural Language Processing
IBM

Data Visualization with Tableau
University of California, Davis

WORK EXPERIENCE

Research Assistant
University of Toronto
Sep 2018 – April 2020 | Toronto, Canada

Math Tutor (Volunteer)
Working Women Community Center
Sep 2018 – Sep 2019 | Toronto, Canada

Data Analyst
Ilia Co.
Sep 2016 – Sep 2018 | Tehran, Iran

- Collected and analysed data, carried out in depth research in order to develop data-driven marketing strategies and plans.
- Delivered beneficial insights for business development, operations, and finances; evaluated and improved marketing metrics.
- Worked with colleagues on the development and implementation of new data mining techniques, ensuring that all policies and procedures were fully followed.

R&D Engineer
Energy Keshvar Co.
Sep 2014 – Sep 2015 | Tehran, Iran

- Conducted research on new products and innovative technologies.
- Oversaw maintenance programs and solved noncompliance during manufacturing procedures.

EDUCATION

MASc of Mechanical Engineering
University of Toronto
Sep 2018 – May 2020 | Toronto, Canada

MASc of Aerospace Engineering
Sharif University of Technology
Sep 2015 – Sep 2017 | Tehran, Iran

BASc of Mechanical Engineering
Azad University of Central Tehran
Sep 2010 – Sep 2014 | Tehran, Iran

PROJECTS

Detecting Fake News
- In this Python project, I took a political dataset, implemented a TfidfVectorizer, initialized a PassiveAggressiveClassifier, and fit the model. I ended up obtaining an accuracy of 92.82% in magnitude.

Stock Portfolio Analysis
- In this Python project, I calculated cumulative portfolio returns and ROI multiple, in order to assess how well multiple examples of portfolio compared to a market index. I evaluated return of each position relative to index benchmark.

Cancer Classifier
- In this project in python, I built a cancer classifier on the IDC dataset and created the network CancerNet for the same. I used Keras to implement the same.

Image Caption Generator
- In this Python project, we have implemented a CNN-RNN model by building an image caption generator. We used a dataset consisting of 100,000 images.

Traffic Signs Recognition
- In this Python project, I have successfully classified the traffic signs classifier with 95% accuracy and also visualized how accuracy and loss changes with time, which is pretty good from a simple CNN model.

Public Opinion about US Airlines
- In this Python project, I used bag-of-words method, pre-trained Embedding and Simple as well as bi-directional LSTM techniques for Sentiment Analysis. I ended up obtaining an accuracy of 87.93% in magnitude.

SKILLS

Python, SQL, C++, R
Excel VBA, Tensorflow, Spark, Hadoop
Pandas, Numpy, Sciki-learn, Matplotlib
Teamwork, Project Management, Problem Solving

LANGUAGES

English
French
Persian