KEIVAN MOKHTARPOUR, MSc

1650 Lincoln Ave. ♦ Montreal, QC H3H 1H1♦ 438 722 5044 ♦ m.keivan73@gmail.com ♦ LinkedIn ♦ GitHub ♦ LeetCode

SUMMARY

Motivated engineering graduate with more than 5 years of experience in data science, machine learning, and engineering. Excel in dynamic, fast-paced roles, with a strong grasp of teamwork, punctuality and adaptivity. Collaborates and coordinates well with team members, communicating overarching goals, and rectifying operational issues using a problem-solving mindset to ensure timely deliverables.

AREAS OF EXPERTISE

Project Management	Data Science	Machine Learning
Individual & Teamwork	Cloud Computing	Artificial Intelligence
Verbal & Written Communication	Optimization	Troubleshooting & Problem Solving

TECHNICAL PROFICIENCIES

Technical Skill	Python, MATLAB, R, SQL, Linux, Scikit-learn, Tensorflow, Keras, AWS, Docker, Git, Seaborn, Numpy, Scipy, Matplotlib, Pandas, Word, Outlook, Excel Vlookup, Power BI, Latex

ACADEMIC EXPERIENCE

Research Assistant, Concordia University   2018 – 2021
CONCORDIA UNIVERSITY

- Performed as a data analyst for the fluidic laboratories of Concordia University.
- Exploited computer vision tools to perform classification tasks in Python and Tensorflow.
- Developed machine learning techniques to shrinkage the data.
- Created technical reports, graphs, tables, and codes using Latex, Power BI, Python and GitHub.

PUBLICATIONS

♦ K. Mokhtarpour, M. Jadidi, A. Dolatabadi, **Modal Analysis-Based Classification of Liquid Jets in Crossflow,** Atomization and Sprays Journal, Accepted, 2021.

PROFESSIONAL EXPERIENCE

Teaching Assistant   2018 – 2019
CONCORDIA UNIVERSITY

♦ Organized online and in-person classes and trouble-shooted problems.
♦ Supervised and trained over 200 bachelor students using leadership skills.
♦ Applied assessment skills to evaluate assignments and quizzes fairly.

Data Science Intern   2016 – 2018
TARAVOSH CONSULTING GROUP

♦ Imported data from different sources: database queries and etc.
♦ Predicted system performance using machine learning algorithms for datasets with various levels of completeness.
♦ Analyzed the past selling trends to predict the future sellouts and help on saving promoting budgets.
♦ Developed effective visualizations to present findings using tools such as Seaborn, Plotly, Matplotlib, and etc.

PROJECTS

PySVD
♦ A GUI classifier trained on an image class of multiphase fluid flows.

Risk Management
♦ Risk level analysis using deep neural networks based on a research paper performed in Tensorflow.

Toronto Coffee House Location Finder
♦ A data-driven approach to find the best possible locations for opening up a coffee house in the greater Toronto area.

CERTIFICATIONS

Deep Learning Specialization ([Link](#))
ISSUED BY: DEEPLEARNING.AI

Neural Networks and Deep Learning (ANN)
Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
Structuring Machine Learning Projects
Convolutional Neural Networks (CNNs)
Sequence Models (RNN, LSTM, Attention Models, Transformers)

IBM Data Science Professional Certificate ([Link](#))
ISSUED BY: IBM

Databases and SQL for Data Science
Data Analysis
Data Visualization
Machine Learning

EDUCATION

MILA Deep Learning School (Remote) | MONTREAL, QUEBEC   2021
- Relevant courses: CNNs – RNNs – bias and discrimination in AI
- School organized by well-known researchers: Yoshua Bengio and others

Master of Science– Mechanical Engineering | CONCORDIA UNIVERSITY, MONTREAL, QUEBEC   2020
- GPA: 4.08 /4.30
- Thesis: data-driven modelling of multiphase flow systems.
- Excellence entrance award recipient
- Nominee for the best M.Sc student

Bachelor of Science– Mechanical Engineering | TEHRAN POLYTECHNIC, TEHRAN, IRAN   2016
- GPA: 3.40 /4.00
- Relevant Coursework: C programming, differential equations, linear algebra, probability, optimization