

Saeed Kazemi

Curriculum Vitæ

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Summary

- Graduating from UNB, seeking a role as a Machine Learning Engineer or Data Analysis.
- Strong foundation in machine learning and computer science principles.
- Experience in developing and implementing machine learning and deep learning models.
- Proficient in programming in Python and experience with popular libraries such as TensorFlow, Pandas, and scikit-learn.
- Experience in data preprocessing, feature selection, and model evaluation.
- Team player attitude with a strong desire to stay up-to-date.

Skills

Advanced Git, Python, Pandas, TensorFlow, Scikit-learn, Matlab, C/C++, OpenCV, Linux, Altium,
Intermediate Keil, ISE, VHDL, L^AT_EX, Proteus, Adobe Photoshop
Basic ORCAD, Labview, Verilog, IAR, Modelsim, Vivado, Vivado-HLS, PHP, Java Script

Work Experience

Vocational

- Since 2020 **Research Assistant**, *UNIVERSITY OF NEW BRUNSWICK*, Fredericton, NB, Canada.
- Developed and implemented multiple machine learning and deep learning models for an authentication system.
 - Utilized various techniques such as pre-processing, feature extraction, and hyperparameters optimization to enhance the performance of the models.
 - Implemented deep neural networks, including CNN and 1DCNN, and leveraged pre-trained models.
 - Experience in working with Keras, Tensorflow, and scikit-learn libraries to build ML/DL models.
- 2018-2020 **IT manager and Technical Lead**, *MOEIN RAH GOSTAR KHORASAN COMPANY*, Mashhad, Iran.
- IT Engineer
 - Organisation Systems and Networks
- 2015-2017 **Senior Electronic Engineer**, *SALMANIAN FARS CORPORATION*, Imam Khomeini highway, Isfahan, Iran.
- Developed VHDL code
 - Lead a team of 3 developers
 - Research and Development

Teaching

- 2023 **Teaching Assistant**, *UNIVERSITY OF NEW BRUNSWICK*, Embedded System, undergraduate courses for engineering students.
- 2022 **Teaching Assistant**, *UNIVERSITY OF NEW BRUNSWICK*, Signals and Systems, undergraduate courses for engineering students.
- 2014 **Lecturer**, *MOHAJER TECHNICAL AND VOCATIONAL COLLEGE OF ISFAHAN*, Signals and Systems, undergraduate courses for engineering students.

Selected Projects

- 2021 Implementing several approaches for time series classification as the project of "*Time Series Analysis*" course under supervision of *Prof. Erik Scheme*.
- 2021 Implementing five ML algorithm as the project of "*Machine Learning and Data Mining*" course under supervision of *Prof. Huajie Zhang*.
- 2020 Comparing five algorithms for image registration as the project of "*Digital Image Processing*" course under supervision of *Prof. Julian Meng*.
- 2014-2015 Doing research on Real-time target tracking algorithm based on machine vision for *Complex Research of Etebari*, located inside Isfahan University of Technology.
- 2013 Working on fuzzy neural network with architecture NEFCON as the project of "*Artificial Neural network*" course under supervision of *Prof. Mohamad Reza Ahmadzadeh*.
- 2012 Developing on image compression using wavelet as the project of "*Advanced Digital Signal Processing*" course under supervision of *Prof. Saied Sadri*.

Educational Background

- Since 2020 **Master of Science in Electronics Engineering**, *University of New Brunswick*, Fredericton, Canada, *GPA – A+*.
Title of Thesis: *Exploring Performance Limits for Pressure-Based Gait Biometrics*
Supervisor: Dr. Erik Scheme
- 2011-2014 **Master of Science in Communication**, *Isfahan University of Technology*, Isfahan, Iran, *GPA – A*.
Title of Thesis: *An Efficient Algorithm for Still and Moving Object Registration in Moving Video Camera Sequences*
Supervisor: Dr. Mohamad Reza Ahmadzadeh

Professional Training

- 2020 **Machine Learning** online course by Standford University on coursera.org, Instructor: professor Andrew Ng, Completed in July 2020 ([Credential](#)).
- 2020 **Deep Learning** a 5-course specialization by Deeplearning.ai on coursera.org, Instructor: Professor Andrew Ng, Specialization Certificate earned on August 13, 2020 ([Credential](#)).
 - (1) Neural Networks and Deep Learning,
 - (2) Hyperparameter tuning, Regularization and Optimization,
 - (3) Structuring Machine Learning Projects,
 - (4) Convolutional Neural Networks,
 - (5) Sequence Models
- 2020 **Introduction to Data Science in Python** online course by University of Michigan on coursera.org, Completed in September 2020 ([Credential](#)).

Volunteer Works

- 2021-2022 **Executive member**, *IRANIAN CANADIAN ASSOCIATION OF NEW BRUNSWICK (ICANB)*, Fredericton, NB, Canada.
 - Event planning and organizing for around 100 people
 - Helping newcomer students to easily settle down

References

References Available Upon Request