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SKazemii

# Saeed Kazemi

## Curriculum Vitæ

### Summary

- Graduating from UNB, seeking a role as a ML/DL Engineer or Data Scientist.
- 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, OpenCV, Altium,  
Intermediate VHDL, L<sup>A</sup>T<sub>E</sub>X, Matlab, C/C++, Linux, Adobe Photoshop  
Basic ORCAD, Labview, Verilog, PHP

### 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.

2015-2017 **Electronic Engineer**, *SALMANIAN FARS CORPORATION*, Imam Khomeini highway, Isfahan, Iran.

- Designed and verified PCBs.
- Worked with a variety of sensors and actuators.
- Experienced in electronic design and integration.

#### Teaching

2023 **Teaching Assistant**, *UNIVERSITY OF NEW BRUNSWICK*, Embedded System.

2022 **Teaching Assistant**, *UNIVERSITY OF NEW BRUNSWICK*, Signals and Systems.

2014 **Lecturer**, *MOHAJER TECHNICAL AND VOCATIONAL COLLEGE OF ISFAHAN*, Signals and Systems.

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## 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.

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## 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*
- 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*

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## Professional Training

- 2020 **Machine Learning** online course by Stanford 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](#)).

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## Volunteer Work

- 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