Saeed Kazemi

Curriculum Vitæ

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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, LaTeX, 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   **Senior 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.

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.

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*

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 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