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, LaTeX, 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