Danial Saber

danial.saber01@ontariotechu.net

+1 (289) 892-5390
Oshawa, Canada

linkedin.com/in/danial-saber

EDUCATION

M.Sc. in Computer Science, Ontario Tech University, Oshawa, Canada *2023 - present*

B.Sc. in Computer Engineering - Software, Kharazmi University, Tehran, Iran *2019 – 2023*

Last two years GPA: **3.93 / 4.00** (18.43 / 20.00), Overall GPA: **3.52 / 4.00** (17.14 / 20.00)

RESEARCH INTERESTS

- Machine Learning
- Deep Learning
- Graph Neural Networks
- Social Networks
- Data Mining
- Big Data Analytics

PUBLICATION

Bagherzadeh A, Shahini N, **Saber D**, Yousefi P, Alizadeh SM, Ahmadi S, Shahdost FT. Developing a global approach for determining the molar heat capacity of deep eutectic solvents. Measurement. 2022 Jan 1; 188:110630. Click

WORK EXPERIENCES

Data Analyst (Internship) *Apr 2022 – Aug 2022*

Koosha Tejarat Nopadid, Tehran, Iran

- Developed an interactive performance dashboard for Kharazmi University using **Python**, **MySQL** and **Power BI** to provide visual representations of teaching, conferences, publications, books, and patents at three levels for professors, departments, and faculties.

Administrative Member of Scientific Association of Computer Engineering *Jul 2021 – Aug 2022*

Faculty of Electrical and Computer Engineering, Kharazmi University, Tehran, Iran

- Awarded as the best scientific journal in one of university competitions.
- Selected as the head of the Scientific Journal of Kharazmi Computer Engineering.
- Mentored first-year students regarding their future plans.
- Scheduled events and seminars for computer engineering students.

ACADEMIC PROJECTS

Fake News Detection On Twitter, 2023. Code

- Implemented several GNN models such as **GCN**, **GAT**, **GIN** and **GraphSAGE** to compare the performance of GNN models with **MLP** for this **graph classification** task where the news on Twitter are represented as graphs.

Vegetable Disease Classification, 2022. Code

- Implemented a website using **Python (Flask, Tensorflow)** and **ReactJS** to classify the types of disease in certain crops using **Convolutional Neural Networks**.

Brain Tumor Detection, 2022. Code

- Proposed a **CNN model** with **98% accuracy** in **Python (Tensorflow)** based on the concept of Transfer Learning to classify brain tumor from brain MRI images.

Deep Learning Based Customer Churn Prediction, 2022. Code

- Implemented a model using **Artificial Neural Networks** for predicting customer churn.

Online Shop Implementation, 2022. Code

- Designed and implemented a grocery store using **HTML**, **CSS**, **JS**, **MySQL**, **Python (Flask).**

Fraud Detection from Synthetic Financial Datasets, 2021. Code

- A review of the performance of several machine learning algorithms, such as support vector machines, random forests, naïve Bayes, and logistic regression was conducted by using **Sklearn**, along with tuning their optimal hyperparameters.

SELECTED TECHNICHAL SKILLS

Programming Languages: Python (Advanced) - Frameworks: Numpy, Pandas, Matplotlib, Seaborn, SciPy, Sklearn, Tensorflow, Keras, Pyspark, Pillow, Flask, OpenCV, NetworkX, Pytorch, Pytorch Geometric
C++ (Intermediate), Java (Intermediate)

Software: Power BI (Advanced), Tableau (Advanced), Apache Spark (Intermediate), Rapid Miner (Intermediate), Microsoft Office (Advanced), Endnote (Advanced)

Database: MySQL (Advanced), SQL Server (Advanced), PostgreSQL (Intermediate)

Version Control and Operation Systems: Git (Advanced), Linux (Ubuntu, Intermediate), Windows (Advanced)

SEMINARS AND CERTIFICATES

- Neural Networks and Deep Learning, Coursera, 2022.
- Natural Language Processing, DeepLearning.AI, 2022
- Introduction to Data Science in Python, Coursera, 2021.
- Data Cleaning and Data Visualization in Python, Kaggle, 2021.
- Applied Data Mining using Python, Kharazmi University, 2021.

LANGUAGE PROFICIENY

Languages:	Persian (Native), English (Fluent)
IELTS Academic (09/04/2022):	**Overall Score: 7.5** (Listening: 7.5, Reading: 7.5, Writing: 6.5, Speaking: 8)