CURRICULUM VITAE

PERSONAL INFORMATION

Name	**Bahar Sar saifee**
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ACADEMIC BACKGROUND

Sep. 2018 to Feb. 2021	**M.Sc., Software Engineering**, *University of Tabriz* **(GPA: 18.40 out of 20)**
Sep. 2014 to Jun. 2018	**B.Sc., Software Engineering**, *University of Kurdistan* **(GPA: 18.72 out of 20)**

RESEARCH EXPERIENCE

Dec. 2019 to Feb. 2021	**Master Thesis: Twitter Sentiment Analysis Using Deep Learning Techniques In SemEval-2017 Task 4 Dataset with Prof. Jafar Tanha**, *University of Tabriz (Grade: 20 out of 20)*

Dataset Preprocessing

- Conversion of emoticons & emojis to words
- Removal of URLs, HTML tags, Name Entity, Punctuations & Digits
- Removal of Stopwords, Frequent & Rare words
- Lemmatization & Stemming
- Lower casing & Spelling correction

Handle Imbalanced Dataset

- Data Augmentation
- Random Oversampling
- SMOTE

Word Embedding

- GloVe, Word2Vec, FastText

Deep Learning Method

- Convolutional Neural Networks (CNN)
- Long Short-Term Memory (LSTM)
- Gated Recurrent Unit (GRU)

Evaluation

- Accuracy, Avg Recall
- Producing a State-of-the-art Twitter Sentiment Classifier With an 8% Improvement

TEACHING EXPERIENCE

2018-2019	**Teaching Assistant, Database Design Principles,** *University of Kurdistan*
2018	**Teaching Assistant, Implementation of Database Systems,** *University of Kurdistan*
2018	**Teaching Assistant, Software Engineering,** *University of Kurdistan*
2017-2018	**Teaching Assistant, Data Structure,** *University of Kurdistan*

My responsibilities included

- Preparing the assignments, their solutions and grading them
- Holding problem-solving sessions (2 hours/week)

PROJECTS

Dec. 2018	**Sentiment Classification In Unlabeled Dataset** • That Sentences are Extracted from Social media (Blogs) • Using Machine Learning Methods
Nov. 2018	**Text Classification and Train Classifiers on the Collection of Sentences from Wikipedia** • Train the IBk, NB, J48, and JRip Classifiers • That Sentences given in English, French, Spanish, and German
Jun. 2018	**Dimension Reduction of Dataset with Principal Component Analysis (PCA)** • On Rock Dataset • Using R Programming Language
Nov. 2016	**Developing of an "Ordering Management" Android Application**
May. 2015	**Design and implementation of Educational Management System in Java**
Nov. 2014	**Design and implementation of Business Management System in C++**

HONORS & AWARDS

2018 to 2020	**Top Master Student (Rank: 2), 2 years,** *University of Tabriz*
2014 to 2018	**Top Bachelor Student (Rank: 1), 4 years,** *University of Kurdistan*

SKILLS

Programming Language	**Python |**Advance, **Java |**Advance, **C/C++ |**Advance, **Android |**Advance **R |**Intermediate, **C# |**Intermediate
Data Mining	**Python | NumPy, Pandas, Scikit-Learn, Keras, Tensorflow**
Data Cleaning	**Python | NLTK** (stopwords, RegexpTokenizer, WordNetLemmatizer, PorterStemmer)**, Textblob, BeautifulSoup, re**(regular expression)
Data Visualization	**Python | Seaborn, Matplotlib, Plotly, pydot**
Deep learning	**Python | Keras** (models, layers)
Programming Tools	**Anaconda | Jupyter Notebook** **Netbeans, Visual Studio, Android studio, R Studio**
Data Analysis Tools	**Weka**

UNDER PREPARATION PAPERS

[1]	Bahar Sar saifee, Jafar Tanha, **Twitter Sentiment Analysis Using Deep Learning Techniques**

PRESENTATIONS

Jun. 2019	**Farsi Handwriting Digit Recognition based on Convolutional Neural Networks**
Jul. 2019	**Recognition of Machine-Printed Arabic Text using Hidden Markov Models**
Dec. 2018	**Classification by Using Frequent Patterns**

SELECTED COURSES

University of Tabriz	**Advanced Data Mining |** 19.5 out of 20
University of Kurdistan	**Artificial Intelligence |** 17.8 out of 20**, Basics of Data Mining |** 19 out of 20

LANGUAGES

Mother Tongue	**Kurdish**

Native	**Persian**
Other Languages	**English |** Proficient

REFERENCES

Name	**Jafar Tanha**
Title	Assistant Professor
Institution	Computer Engineering Department, *University of Tabriz*
Email	tanha@tabrizu.ac.ir
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Name	**Parham Moradi**
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