

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: 3.90/4)**
Sep. 2014 to Jun. 2018 **B.Sc., Software Engineering, University of Kurdistan (GPA: 3.92/4)**

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: 4.00/4)**

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

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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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) <ul style="list-style-type: none">• 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
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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 4.00 out of 4
University of Kurdistan	Artificial Intelligence 4.00 out of 4 Basics of Data Mining 4.00 out of 4

LANGUAGES

Mother Tongue	Kurdish
Native	Persian
Other Languages	English Proficient

REFERENCES

Name	Jafar Tanha
Title	Assistant Professor
Institution	Computer Engineering Department, <i>University of Tabriz</i>
Email	jafar.tanha.pnu@gmail.com
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Name	Parham Moradi
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