# Bahar Sar Saifee

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## EDUCATION

**University of Tabriz**  Tabriz, Iran
M.Sc., Software Engineering. GPA: 18.40/20  Sep. 2018 to Feb. 2021
Relevant Coursework: Advanced Data Analysis, Professional Database

**University of Kurdistan**  Sanandaj, Iran
B.Sc., Software Engineering. GPA: 18.72/20  Sep. 2014 to Jul. 2018
Relevant Coursework: Artificial Intelligence, Basics of Data Mining, Implementation of Database Systems

**National Organization for Development of Exceptional Talents**  Sanandaj, Iran
Diploma, Mathematics, and Physics.  Sep. 2007 to Jun. 2014

## RESEARCH EXPERIENCE

**University of Tabriz**  Tabriz, Iran
**Dissertation Research**  Dec. 2019 to Feb. 2021
Dissertation: "Twitter Sentiment Analysis Using Deep Learning Techniques in SemEval-2017 Task 4 Dataset"
Supervisor: Prof. Jafar Tanha
Grade: 20/20
- Handle Imbalanced Dataset (Data Augmentation)
- 8% Improvement in Twitter Sentiment Classifier

## PUBLICATIONS

**Sar-Saifee Bahar**, Tanha Jafar, Aeini Mohammad, "A Hybrid Sentiment Analysis Approach Based on Transformer and Convolutional Neural Network", **In Preparation**

**Sar-Saifee Bahar**, Tanha Jafar, Pashazadeh Saeid, Aeini Mohammad, "A Hybrid Based on Deep Learning Techniques to Twitter Sentiment Analysis on SemEval-2017 Dataset", **Under Review** to Neural Computing and Applications

**Sar-Saifee Bahar**, Tanha Jafar, 2021, "Twitter Sentiment Analysis Using Deep Learning Techniques", 5th International Conference on Science and Technology of Electrical, Computer and Mechanical Engineering of Iran, Tehran, https://civilica.com/doc/1238171/

## RELEVANT PROJECTS

**Natural Language Processing with Disaster Tweets**  Aug. 2022
- Predict Which Tweets Are about Real Disasters and Which Ones Are Not
- Tokenization Using BERT Tokenizer
- Using Pre-trained Glove Embeddings
- A Hybrid Model Based on Attention Mechanism and Deep Learning Techniques

**Research Problem Extraction System from NLP Scholarly Articles**  Jul. 2022
- On the SemEval-2021 Task 11 Dataset

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- Keyphrase Extraction Using Knowledge Graphs
- Using Keyword Extraction Methods; Spacy, Textrank, Yake, KeyBert, Rake_NLTK

**Sentiment Classification on Unlabeled Dataset**          Dec. 2018
- On the Social Media (Blogs) Dataset
- Using Machine Learning Methods

**Text Classification and Train Classifiers**          Nov. 2018
- On the Collection of Sentences from Wikipedia
- Train the IBk, NB, J48, and JRip Classifiers

## HONORS & AWARDS

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|---|---|
| **University of Tabriz** | Tabriz, Iran |
| Ranked 2nd in GPA among all Master students of computer engineering department | 2018 to 2020 |
| Full-tuition scholarship awarded, Master programs at computer engineering department | 2018 to 2020 |
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| **University of Kurdistan** | Sanandaj, Iran |
| Ranked 1st in GPA among all Bachelor students of computer engineering department | 2014 to 2018 |
| Full-tuition scholarship awarded, Bachelor programs at computer engineering department | 2014 to 2018 |
| Ranked 1st in ACM contest | Feb. 2016 |

## TEACHING EXPERIENCE

**University of Kurdistan**          Sanandaj, Iran
- **Teaching Assistant,** Database Design Principles Course     Fall 2018
- **Teaching Assistant,** Implementation of Database Systems Course     Spring 2018
- **Teaching Assistant,** Software Engineering Course     Spring 2018
- **Teaching Assistant,** Data Structure Course     Fall 2017

## SKILLS & INTERESTS

**Programming languages:** Python, Java, C/C++, Android, HTML, CSS
**Programming Tools:** Anaconda, Netbeans, Visual Studio, Android Studio, Weka
**Language Skills:** Kurdish (Native), Persian (Native), English (Upper-Intermediate-B2)
**Research Interests:** Natural Language Processing, Deep Learning, Computer Vision

## PROFESSIONAL EXPERIENCE

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|---|---|
| **APA Center of Kurdistan University** | Sanandaj, Iran |
| Graphic Designer | Feb. 2020 to Sep. 2020 |
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| **Technology Units Development Center of Kurdistan University** | Sanandaj, Iran |
| Android Developer Intern | Jun. 2017 to Sep. 2017 |

## CERTIFICATION

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|---|---|
| **The Complete Python 3 Course: Beginner to Advanced!,** Online Course, Udemy | May. 2022 |
| **Participation in The Conference,** 5th Utconf, Tehran, Iran | May. 2021 |
| **Machine Learning Crash Course,** Online Course, Udemy | Apr. 2021 |
| **NumPy for Data Science & Machine Learning,** Online Course, Udemy | Mar. 2021 |
| **Python for Machine Learning with Numpy, Pandas & Matplotlib,** Online Course, Udemy | Mar. 2021 |

**Python-Introduction to Data Science and Machine Learning A-Z,** Online Course, Udemy          Mar. 2021
**ICSD Paper Presentation Certification,** 5th Utconf, Tehran, Iran          Sep. 2020

**Python-Introduction to Data Science and Machine Learning A-Z,** Online Course, Udemy          Mar. 2021
**ICSD Paper Presentation Certification,** 5th Utconf, Tehran, Iran          Sep. 2020