

EDUCATION

University of Tabriz**Tabriz, Iran**

- M.Sc., Software Engineering. **GPA: 18.40/20**
- Relevant Coursework: Advanced Data Mining, Advanced Database

Sep. 2018 to Feb. 2021

University of Kurdistan**Sanandaj, Iran**

- B.Sc., Software Engineering. **GPA: 18.72/20**
- Relevant Coursework: Artificial Intelligence, Fundamentals of Data Mining, Information Retrieval and Web Search, Implementation of Database Systems

Sep. 2014 to Jul. 2018

National Organization for Development of Exceptional Talents**Sanandaj, Iran**

- Diploma, Mathematics, and Physics.

Sep. 2007 to Jun. 2014

RESEARCH EXPERIENCE

University of Kurdistan**Sanandaj, Iran**

- **Graduate Researcher**

May. 2023 to Present

Research Subject: "Deep Multi-view Clustering"

- Multi-View Representation Learning
- Deep Embedded Clustering

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)

PUBLICATIONS

- **Sar-Saifee Bahar**, Jafar Tanha, and Mohammad Aeini. "A Hybrid Deep Learning Network for Sentiment Analysis on SemEval-2017 Dataset." 2023 28th International Computer Conference, Computer Society of Iran (CSICC). IEEE, 2023.
- **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

Healthcare Recommendation System

Jul. 2023 to Present

- Diseases Diagnosis
- Drug Recommendation
- Using Machine Learning Approach

Multi-View Text Clustering with SBERT

Jun. 2023

- Text Representation with Pre-trained Encoders from Sentence-BERT
- Clustering Views

Text Generation Using Deep Learning Techniques

Sep. 2022

- A Hybrid Model Based on Transformer Decoder and GRU Network
- Using Keyword Extraction Methods; Knowledge Graph, Yake

Natural Language Processing with Disaster Tweets

Aug. 2022

- Tokenization Using BERT Tokenizer
- Using Pre-trained Glove Embedding
- A Hybrid Model Based on Attention Mechanism and Deep Learning Techniques

Scholarly Knowledge Graph Generation	Jul. 2022
<ul style="list-style-type: none"> Using Keyword Extraction Methods; Knowledge Graph, Yake A Model Based on CNN Networks 	
Research Problem Extraction System from NLP Scholarly Articles	Jul. 2022
<ul style="list-style-type: none"> Keyphrase Extraction Using Knowledge Graph Using Keyword Extraction Methods; Spacy, Textrank, Yake, KeyBert, Rake_NLTK 	
Sentiment Classification on Unlabeled Dataset	Dec. 2018
<ul style="list-style-type: none"> On the Social Media (Blogs) Dataset Using Machine Learning Methods 	

PROFESSIONAL EXPERIENCE

• Data Scientist Freelancer , Iran	May. 2022 to Present
• Graphic Designer , APA Center, University of Kurdistan, Sanandaj, Iran	Feb. 2020 to Sep. 2020
• Android Developer Intern , Technology Units Development Center, Sanandaj, Iran	Jun. 2017 to Sep. 2017

TEACHING EXPERIENCE

University of Kurdistan	Sanandaj, Iran
• Teaching Assistant , Principles of Database Design 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

HONORS & AWARDS

University of Tabriz	Tabriz, Iran
• Ranked 1st 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
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

SKILLS & INTERESTS

• Programming languages: Python (Tensorflow, Keras, NLTK, NumPy, Pandas, SciKit-Learn, ...), Java, C/C++, Android, HTML, CSS	
• Programming Tools: Anaconda, Netbeans, Visual Studio, Android Studio, Weka	
• Language Skills: Kurdish (Native), Persian (Native), English (Upper-Intermediate)	
• Research Interests: Natural Language Processing, Deep Learning, Information Retrieval	

CERTIFICATION

• Participation in the Conference , <u>28th International Computer Conference</u> , Tehran, Iran	Jan. 2023
• 100+ Exercises - Advanced Python Programming – 2022 , Online Course, Udemy	Jan. 2023
• Python : Master Programming and Development with 15 Projects , Online Course, Udemy	Jan. 2023
• Python Programming - From Basics to Advanced level [2022] , Online Course, Udemy	Oct. 2022
• Machine Learning From Basic to Advanced , Online Course, Udemy	Oct. 2022
• Data Analysis Masterclass (4 courses in 1) , Online Course, Udemy	Aug. 2022
• NLP Course for Beginner , Online Course, Udemy	Aug. 2022
• Python Complete Course For Python Beginners , Online Course, Udemy	Jul. 2022

- **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