Bahar Sar Saifee

Keshavarz Town, 15 Khordad Street • Sanandaj, Iran
(+98)9366610117 • Baharsarsaifee@gmail.com • Homepage

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", Neural Computing and Applications **(In Preparation)**
- **Sar-Saifee Bahar**, Tanha Jafar, Aeini Mohammad, "A Hybrid Deep Learning Network for Sentiment Analysis on SemEval-2017 Dataset", 2023 28th International Computer Conference, Computer Society of Iran **(Under Review)**
- **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

Text Generation Using Deep Learning Techniques   Sep. 2022
- Tokenizing by N-gram
- 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
- Extracting Research Themes
- Using Keyword Extraction Methods; Knowledge Graph, Yake
- Tokenization Using BERT Tokenizer
- A Model Based on CNN Networks

Research Problem Extraction System from NLP Scholarly Articles   Jul. 2022

- On the SemEval-2021 Task 11 Dataset
- Keyphrase Extraction Using Knowledge Graph
- 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

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

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)
- **Research Interests:** Natural Language Processing, Deep Learning, Computer Vision

PROFESSIONAL EXPERIENCE

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

CERTIFICATION

- **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