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Ali Najafi

Research Area

Natural Language Processing, Computer Vision, Machine Learning

Education

2017–2021 **Bachelor's Degree (Computer Engineering)**, *University of Tabriz*, Tabriz, Iran, **CGPA: 3.3/4**
Last Two Years GPA: 3.59/4.00
Bachelor's Project Grade: 19/20 - 4/4
Related Courses GPA: 4/4

- Data Mining
- Artificial Intelligence
- Computational Intelligence
- Algorithm Design
- Data Structure
- Database Design
- Software Engineering
- Advanced Programming

Publications

- **A Najafi**, A Gholipour-Shilabin, R Dehkharghani,A Mohammadpur-Fard, M Asgari-Chenaghlu **ComStreamClust: A communicative multi-agent approach to text clustering in streaming data**, Annals of Data Science, 2021 (Under Review)

Standardized Test Scores

July 2021 **IELTS, Score: 7**

- **Listening 8**
- **Speaking 7.5**
- **Writing 6.5**
- **Reading 6**

Projects

2021 **Movie Recommender System**
- Implemented a movie recommender system using item and user based collaborative filtering
- The classifier predicts the score a user might give to a movie on a 1-5 scale for Movielens dataset

2020 **Language Translation**
- AI model for translating English to Italian
- Deploying Transformer-based Model from scratch using Tensorflow and Django

2020 **Sentiment Analysis Ausing Bert Tokenizer And CNN**
- Analyzing the sentiment of sentences using Bert Tokenizer And cnn models

2020 **Shahname (POEM) Character Based Text Generation**
- Generating poem using LSTM model
- Using AI for fun and generating poem similar to Shahname's poems

2020 **Kaggle Competition (SIIM-ISIC Melanoma Classification)**
- Stacking and ensembling different models such as Random Forest and XGBoost
- Using transfer learning on pretrained models such as VGG19 and Xception

2020 **Music Genre Classification**
- Classifying music genres based on their MFCC spectrogram

2019 **Simulated Self Driving Car**
- Developed using DQN (Reinforcement Learning based model)
- Gaining the experience of using KIVI for building user experience

2019 **Landmark Detection on Dental Images**
- Detecting special landmarks On dental images
- VGG-face model used as pretrained model for solving this Task

2018–2019 **Persian News Stream Clustering**
- Constructed a fully-customized AI system in a team of 6 engineers
- Implemented a news clustering system that did online topic modeling on streaming data

2018 **Silk Road Graph Analyzer**
- Solving Travelling Salesman Problem using Dynamic Programming and AntColony

Teaching

November 2020 **Git Workshop**, *Department of Computer Engineering, University of Tabriz, Tabriz Iran*
- Teaching Git and Github to Junior Developers

Skills

Programming Languages

Python, C#, Java, Scala, C , C++, JavaScript

Programming Frameworks

Tensorflow, Keras, Pytorch, Django, ReactNative

Programming Libraries

Numpy, Pandas, Scikit Learn, Matplotlib, Seaborn, Tableau

Other

Git, LaTeX, Linux, MySQL

Languages

- Azerbaijani: Native
- Persian: Proficient
- English: Proficient
- Turkish: Intermediate

Academic References

- Associate Prof. Mohammad Ali Balafar - Department of Computer Engineering, University of Tabriz, Tabriz, Iran: balafarila@tabrizu.ac.ir

- Associate Prof. Rahim Dehkharghani - Department of Computer Engineering, Isik University, Şile, Turkey: rahim.dehkharghani@isikun.edu.tr

- Dr. Meysam Asgari-Chenaghlu - Department of Computer Engineering, University of Tabriz, Tabriz, Iran: m.asgari@tabrizu.ac.ir