

Babak Behkamkia

babakbehkamkia79@gmail.com | (+98) 914-999-8124

EDUCATION

IRAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

531-540 QS Ranking

B.Sc. COMPUTER ENGINEERING

GPA: 17.9/20 (3.79/4)

2019 to 2023

LINKS

 Personal Website

 Github

 LinkedIn

RESEARCH INTERESTS

Machine Learning

Natural Language Processing

GANs

Generative Models

LANGUAGE

ENGLISH

IELTS: 7.5/9

L: 8.5, R: 7.5, W: 6.5, S: 6.5

PERSIAN

Native

TURKISH

Native

SKILLS

Python • C#

Tensorflow • Keras • Pytorch

Scikit Learn • OpenCV

Django • Flask • Flutter • Docker

SQLite • Github • Gitlab • Git

Trello • Taskulu

Mendeley • L^AT_EX

RESEARCH EXPERIENCE

PERSONALITY DETECTION FROM TEXT AND MANIPULATING IMAGE OF THE PERSON BASED ON THE DETECTED PERSONALITY | BSC FINAL PROJECT

Feb 2023 – present | Iran University of Science and Technology

- Data Collection
- Data Generation by LLMs
- Diffusion Models
- GAN Inversion
- Pretrained Models

GPT-STANCE DETECTION | IUST NLP LAB

Apr 2023 | Iran University of Science and Technology

[Github link](#)

- Large Language Models
- BERT
- zero-shot learning

ADVERSARIAL STANCE DETECTION | IUST NLP LAB

Feb 2022 – Sep 2022 | Iran University of Science and Technology

- Adversarial Networks
- Topic invariant models
- Cross-target adaptation
- zero-shot learning

The full report of the VQA project is [here](#).

CLAIM EXTRACTION | IUST NLP LAB

Feb 2022 – Jun 2022 | Iran University of Science and Technology

In this project, I helped a senior student in her Bachelor of Science Thesis.

- Sub-claim extraction from a complex claim
- zero-shot & few-shot learning
- Preparing a data set for this task

You can see the thesis [here](#). An English [proposal](#) of this task is also available.

MULTIMODAL FAKE NEWS | IUST NLP LAB

Oct 2021 – Dec 2021 | Iran University of Science and Technology

We searched for ways to evaluate the realness of news in which visual content was available. I read many papers related to this topic.

LIFELONG LEARNING | IUST NLP LAB

Sep 2021 – Oct 2021 | Iran University of Science and Technology

I started to read Lifelong Machine Learning by Zhiyuan Chen and Bing Liu. I saw knowledge transferring and domain generalization in this book for the first time.

ONLINE COURSES

GANs Specialization,
Getting started with Tensorflow2,
Deep Learning Specialization,
Advanced Algorithms & Complexity,
Machine Learning (2012),
Algorithms on Strings,
Algorithms on Graphs,
Data Structures,
Python for Everybody Specialization

SELECTED COURSES

Natural Language Processing	A+
Programming competitions	A+
Computer Vision	A
Deep Learning	A+
Computational Intelligence	A+
Compiler Design	A
Operating System	A+
Software Engineering	A+
Data Transmission	A+
Software Design and Analysis	A+
Artificial Intelligence	A+
Theory of L & A	A+
Database Design	A+
Statistics	A+
Algorithm Design	A+
Data Structures	A+
Advanced Programming	A+
Basic Programming	A+

HOBBIES

Playing and Watching Football
Watching TV series
Playing Video Games
YouTube
GYM
Chess

REFEREES

Dr. Sauleh Eetemadi
✉ sauleh@iust.ac.ir

Dr. Naser Mozayani
✉ mozayani@iust.ac.ir

WORKING EXPERIENCE

DADMATECH | NLP AND MACHINE LEARNING INTERN

Dec 2021 – Aug 2022 | Iran

- Robot User Detection
- Stance Detection
- Working with BERT
- Crawling Twitter
- Feature Extraction

ACADEMIC PROJECTS

PERSONALITY DETECTION AND DATA GENERATION | NLP COURSE

[GitHub link](#)

- Fine-tuning Large Language Models
- Transformers
- Few-shot Learning

CRACK DETECTION | COMPUTER VISION COURSE

[GitHub link](#)

- Image Preprocessing
- Matching Key Points
- Morphology
- Using Pretrained U-net

COVID-19 PREDICTION | DEEP LEARNING COURSE

[GitHub link](#)

- Image Preprocessing
- Data Augmentation
- Squeeze-Net
- Fine-tuning

SAFFRUN | FLUTTER DEVELOPER OF "SAFFRUN" PROJECT

Oct 2021 – Jan 2022

"Saffrun" was our project for Software Engineering 1 Course.

You can download this app from [here](#)

AWARDS

2019	top 0.4%
2017&2018	reaching the second stage
2017&2018	reaching the second stage
2017&2018	1 st /Tabriz

National Entrance Exam for Graduate Schools
Computer Olympiads
Mathematics Olympiads
The Tournament Of Towns.

TEACHING EXPERIENCES

2023	Machine Learning Fundamentals of Database Design Computational Intelligence	Instructor Teaching Assistant Teaching Assistant
2022	Algorithm Design Fundamentals of Database Design Theory of Languages Automata Data Communication Data Structures	Teaching Assistant Teaching Assistant Teaching Assistant Teaching Assistant Teaching Assistant
2021	Advanced Programming Programming Basics	Student Mentor Student Mentor