

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 (122 credits): 3.81/4

2019 to 2023 (expc.)

LINKS

 Personal Website

 Github

 LinkedIn

RESEARCH INTERESTS

Machine Learning

Deep Learning

Natural Language Processing

GANs

Domain Adaptation

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

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

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

ADVERSARIAL STANCE DETECTION | IUUST 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 | IUUST 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 | IUUST 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 | IUUST 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

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

COURSE PROJECTS

PERSONALITY DETECTION AND DATA GENERATION | NLP

COURSE

(ongoing)

[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%	National Entrance Exam for Graduate Schools
2017&2018	reaching second stage	Computer Olympiads
2017&2018	reaching second stage	Mathematics Olympiads
2017&2018	1 st /Tabriz	The Tournament Of Towns.

TEACHING EXPERIENCES

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