Amir Mohammad Komijani

Email:
amirmkomijani2001@gmail.com
LinkedIn: komijani
GitHub: komijani
Phone: (+98) ......

Education

IUST University (among the top 4 universities in Iran) Tehran, Iran
B.Sc. in Computer Science at Iran University of Science & Technology 2019 - Present
- **GPA of the Last Year: 3.91/4.0**
- **GPA of the Last Two Years: 3.80/4.0**
- **Ranked among the top students in my class based on GPA**
- **Selected Courses: Natural Language Processing 92/100, Computer Vision 85/100, Artificial Intelligence 75/100, Computational Intelligence 75/100, Software Engineering 85/100, Computer Networks 80/100**

Research Interests

- **Natural Language Processing** • **Deep Learning** • **Machine Learning** • **Computer Vision**
- **Data Science** • **Graph Neural Networks** • **Knowledge Discovery** • **Big data Mining**

Research Experience

Natural Language Processing Intern Researcher and Developer IUST University
Bachelor Thesis, School of Computer Engineering September 2024 - present
- **Supervisor: Dr. Marzie Davood Abadi**
- **Researching** and **Developing** NLP applications, specifically focusing on **Retrieval Augmented Generation,Large Language Model**.
- **Tasks** :
  * Reading and analyzing academic articles
  * Summarizing key findings from research papers
  * Preparing detailed reports based on article insights
  * Experience with platforms like Huggingface and libraries such as TensorFlow

Teaching & Working Experience

Teaching Assistant IUST University
School of Computer Engineering Feb 2023 - Jun 2024
- **Natural Language Processing(HEAD TA)** - Instructor: Dr. Leila Azadkhah, Dr. Nasser Mozayani - Fall 2024
- **Deep Learning** - Instructor: Dr. Marzie Davood Abadi - Fall 2024
- **Artificial Intelligence** - Instructor: Dr. Mohammad Reza Mohammadi - Fall 2023
- **Operation System Labratory** - Instructor: Dr. Reza Entezari-Maleki - Spring 2024
- **Computer Architecture** - Instructor: Dr. Amir Mahdi Hosseini Monazzah - Spring 2024
- **Advanced Programming** - Instructor: Dr. Sauleh Etemadi - Spring 2024
- **Fundamentals of Programming** - Instructor: Dr. Mehrdad Ashtiani - Spring 2024
- **Algorithms Design and Analysis** - Instructor: Dr. Marzieh Malekimajd - Spring 2023
- **Database System Design** - Instructor: Dr. Hossain Rahmani - Spring 2023

Backend Developer Freelancer
Junior Backend developer 2023-2024
  * **Programming Languages:** Python
  * **Technologies:** Django Rest Framework,PostgreSQL,Docker,AWS,Nginx

Skills

- **Programming Languages:** Python, C#, Java, C++, C, Js, Golang
- **Libraries and Frameworks:** Tensorflow, Keras, Pytorch, OpenCV,Scikit-learn, Seaborn, Numpy, Pandas, Matplotlib, Kotlin, Django Rest Framework, ASP .Net Core
- **Environments and Tools:** Google Colab, Kaggle, Linux(Ubuntu), Git, AWS, Postman, Android Studio, Latex

Projects

Retrieval-Augmented Generation(RAG)

IUST University

Natural Language Processing - GitHub

Feb-Jun 2024

- RAG Project with Question answering application.

Bitcoin Price Prediction using LSTM

IUST University

Natural Language Processing - GitHub

Feb-Jun 2024

- LSTM

Anti-Spoofing

IUST University

Computer Vision - GitHub

Feb-Jun 2024

- Anti Spoofing Project is used for recognizing Real or fake images in videos.
- This system can find fake or real images based on video frames or even Real-Time.

Tascrum

IUST University

Software Engineering Course Project - GitHub

Sep-Dec 2023

- Tascrum is a project management system to make collaboration easier between teams
- The application was developed with Scrum Methodology.
- Position : Scrum Master , Backend Developer , Devops Engineer

Honors & Certificates

Ranked Within the Top 0.5% in Iranian University Entrance Exam

July 2019

Mathematics and Physics majors

Machine Learning Specialization

Oct, Nov 2021

Certificate Coursera(Deep Learning.AI , Stanford)

Jan 2024

- Supervised Machine Learning: Regression and Classification
- Advanced Learning Algorithms
- Unsupervised Learning, Recommenders, Reinforcement Learning

Deep Learning With Tensorflow2

Jul 2024

Certificate on 365datascience.com

- Deep Learning - Tensorflow

Intro to LLMs

Jul 2024

Certificate on 365datascience.com

- Natural Language Processing - Large Language Models -

Convolutional Neural Networks with TensorFlow in Python

Jul 2024

Certificate on 365datascience.com

- Computer Vision - Convolutional Neural Network - Tensorflow

Languages

- **Persian:** Native
- **English:**
  - IELTS: **Overall: 9.5**, Reading: **9**, Listening: **9**, Speaking: **9**, Writing: **9**

References

Dr. Reza Entezari   Iran University of Science & Technology
Assistant Professor at Department of Computer Engineering
  - Email: h_entezari@iust.ac.ir

Dr. Amir Mahdi Hosseini Monazzah   Iran University of Science & Technology
Associate Professor at Department of Computer Engineering
  - Email: b_monazzahiust.ac.ir

Dr. Mehrdad Ashtiani   Iran University of Science & Technology
Associate Professor at Department of Computer Engineering
  - Email: b_m$_a shtiani@iust.ac.ir$