

Hasti Jalali

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RESEARCH INTERESTS

- Medical Image Analysis
- Machine Learning
- Computer Vision
- Deep Learning
- Robotics
- Data Science

EDUCATION

- **Amirkabir University of Technology** Tehran, Iran
B.S. in Computer Engineering 2019–2023
GPA: **3.9/4 (18.81/20.0)**
Major Related Courses:
 - Linear Algebra 20/20
 - Algorithm Design 20/20
 - Signals and Systems 19.5/20
 - Data Mining 19/20
 - Data Structures and Algorithms 19.5/20
 - Principles & Applications of Artificial Intelligence: 19/20
 - Linear Optimization 19.7/20Supervisor: Prof. M. Ebadzadeh [Homepage]
- **Roshangaran High School** Tehran, Iran
Diploma. in Mathematics and Physics 2015–2019
GPA: **19.71/20.0**

TEACHING EXPERIENCE

- **Teaching Assistant, Principles and Applications of Artificial Intelligence** Spring 2023 | Fall 2023
Instructor: Dr. Javanmardi [LinkedIn] Amirkabir University of Technology
- **Teaching Assistant, Data Structure** Spring 2022
Instructor: Dr. Bagheri [Homepage] Amirkabir University of Technology
- **Teaching Assistant, Algorithm Design** Spring 2022
Instructor: Dr. Bagheri [Homepage] Amirkabir University of Technology
- **Teaching Assistant, Signals and Systems** Spring 2022
Instructor: Dr. Termechi [LinkedIn] Amirkabir University of Technology

WORK EXPERIENCE

- **Snapp!** Tehran, Iran
Fraud Analyst Summer 2023 - Present
As a Fraud Analyst at Snapp!, my role involves safeguarding the platform by identifying and mitigating potential fraudulent activities. [Wikipedia]
- **Homacloud Company** Tehran, Iran
Internship - Learned YOLO Summer 2022
This internship provided me with valuable insights into real-time object detection. [Website]

NOTABLE ACADEMIC PROJECTS

- **Pollution Prediction**
 - A novel model fusing Transformer-Encoder with graph convolution for advanced deep learning. [CODE]
- **Projects Related to Principles of Computational Intelligence Course**
 - An expert fuzzy system analyzes that if the patient has heart disease or not. [CODE]
 - A project in which I Implemented and trained a neural network from scratch in Python for CIFAR-10 dataset. [CODE]
 - Implementation of a neuroevolution algorithm using a simple game. [CODE]
- **Projects Related to Principles and Applications of Artificial Intelligence Course**
 - Implementation of several search algorithms, multiagent minimax and expectimax algorithms, alpha-beta pruning, model-based and model-free reinforcement learning algorithms inside the Pacman world. [CODE]
- **Music Analyzer**
 - This project focuses on classifying Persian music genres using data preprocessing, visualizations, and machine learning techniques. [CODE]

SKILLS

- **Programming:** Python, C, Java
- **Database:** Oracle, MYSQL, Elastic Search
- **Frameworks:** .Net Core, flask, pytorch
- **Tools:** Git, Jupyter Notebook, Google Colab
- **Algorithms:** Transformers, RNN, LSTM, Graph CNN, YOLO

LANGUAGES

- **English:** Fluent
 - **IELTS Overall Score: 7.5**
 - Reading: 8.5
 - Speaking: 6.5
 - Listening: 8.5
 - Writing: 6.5
- **Persian:** Native

HONOR AND AWARDS

- Ranked top 0.1% among over 150000 Iranian participants in the National University Entrance Exam (Regional rank of **186** and Nationwide rank of **282**). 2019
- Ranked top 10% among students of computer engineering department in Amirkabir University
- I have been honored with a nomination for direct admission to the Master's program in Computer Engineering with a specialization in AI and Robotics at Amirkabir University of Technology. 2023