Amirhossein Abaskohi *September 19, 2000*

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Research Interests

- Machine Learning
- Deep Learning
- Natural Language Processing
- Computer Vision

Education

University Of Tehran — September 2018 - Present

B.Sc in Computer Science — *Ranked top 15% in class*

Department of Electrical and Computer Engineering

- **CurrentGPA:** 17.80/20.00 (3.8/4) (Faculty Average: 14.96/20.00)
- **ImportantCourses:**
  - Design and Analysis of Algorithms (20/20)
  - Artificial Intelligence(20/20)
  - Data Structures (19.8/20)
  - Operating Systems (17.7/20)
  - Database (18.3/20)
  - Computer Networks (17.6/20)
  - Computer Architecture (20/20),
  - Languages and Automata Theory (19/20)
  - Engineering Mathematics (18.5/20)
  - Engineering Probability & Statistics (17.7/20)

Motahari High School — 2015-2018

Diploma in Mathematics and Physics

GPA:: 19.81/20

Research Experience

Undergraduate research assistant at the UNC Charlotte — September 2021 - Present

Under Supervision of Prof. Pedram Rooshenas

We are a generative model to generate image and text jointly.

Undergraduate research assistant at University of Tehran — November 2020 - Present

Under Supervision of Prof. Manouchehr Moradi

We developed a cognitive test for preschoolers to determine whether or not they are ready for school. The test includes a voice recognition model that I am currently developing.

Undergraduate research assistant at University of Tehran — August 2021 - Present

Under Supervision of Prof. Behnam Bahrak

We are working on a Sarcasm detection system based on Twits.

Teaching Experience

Teaching Assistant

University of Tehran, Department of Electrical and Computer Engineering

- **Programming languages and Compilers (Chief TA)** Prof. Zeynab Sabahi — Fall 2021
- **Data Structures** Prof. Heshaam Faili — Fall 2021
- **Computer Architecture** Prof. Hadi Safari — Fall 2021
- **Artificial Intelligence** Prof. Hakimeh Fadaie — Fall 2021
- **Design and Analysis of Algorithms** Prof. Hamid Mahini — Spring 2021

- **Programming languages and Compilers** Prof. Fatemeh Ghasemi — Spring 2021

- **Engineering Probability and Statistics** Prof. Behnam Bahrak — Fall 2020
- **Data Structures** Prof. Heshaam Faili — Fall 2020
- **Discrete mathematics** Prof. Siamak Mohammadi — Fall 2020
- **Discrete mathematics** Prof. Siamak Mohammadi — Spring 2020

Machine Learning Mentor
University of Tehran ACM Student Chapter
Artificial intelligence and machine learning mentor in summer school 2021 — Summer 2021

Work Experience

Back-end developer and data analyzer — June 2020 - Present
Idea Varzan System

- **Back-end skills used:** ASP.NET Core 3.1, C#, SQL Server
- **Data analytics skills used:** SQL Server, Spark SQL, Python(Pandas, Matplotlib, numpy, ...)

Data collector and data anlayzer — June 2019 - January 2020
Academic Center for Education, Culture and Research of Science and Technology university

- **Skills used:** Scraper, Python(Pandas, Matplotlib, numpy, ...)

Extra Courses

- **Deep learning specialization** Credential — Coursera
- **Natural language processing specialization** Credential — Coursera
- **Machine learning** Credential — Coursera
- **Distributed Computing With Spark SQL** Credential — Coursera
- **Neural Networks and Deep Learning** Credential — Coursera
- **Advanced Computer Vision with TensorFlow** Credential — Coursera
- **Blockchain and Cryptocurrency Explained** Credential — Coursera
- **Introduction to Computer Vision and Image Processing** Credential — Coursera
- **Cloud Computing Concepts, Part 1** Credential — Coursera

Honors and Awards

Ranked within the Top 0.8% Nationwide University Entrance — September 2018
Ranked 46th (regional rank), and 1125th (national rank) among 144,437 participants in the Iranian Nationwide University Entrance Exam for Mathematics and Physics discipline.

Supporter Foundation of University of Tehran Scholarship — 2020
Awarded to top 500 students among 35000 students in the university.

Skills

Languages

- Expert in Python, C\C++, SQL, C#
- Familiar with Java, GNU Octave, MATLAB, Verilog HDL

Technologies

- Git, VS Code, Jupyter, Google Colab, Visual Studio, LaTeX

Tools

- NumPy, SciPy, Pandas, Scikit-learn, Tensorflow, Matplotlib, Pytorch, Jupyter, Modelsim, Quartus, CUDA, Django, Flask, GraphQL, Apache Airflow

Operating Systems

- Linux (Ubuntu, Parrot, Kali), Windows, Cloudera