M.Ali Farahat

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Education

Student of B.Sc. in Computer Engineering with a concentration on AI *Tehran, Iran*
Iran University of Science and Technology Sep 2018 - Expected Jan 2023

- Ranked **4th** among Iran universities based on QS ranking 2023
- **GPA** (up to now via 135 units): **3.56/4**
- **GPA** (last 85 credits): **3.93/4**

Diploma in Mathematics and Physics Discipline *Tehran, Iran*
Mofid High school 2014 - 2018

- GPA: 4/4

Awards & Honors

Permitted to apply for M.Sc. program at the Department of Computer Engineering without taking the "National Entrance Exam for Graduate Schools" as an award for being among the **top 20%** of students Jun 2022

Winning an award for being the **3rd** team in **"Chillin Wars"** AI competition Mar 2019

Ranked **516th** among 144K candidates (within the **top 0.3%**) in the "National Entrance Exam for Iranian Universities" Jul 2018

Accepted for two years in the preliminary rounds of both the Computer and Mathematics Olympiads 2016 - 2017

Skills & Languages

Programming	**Proficient at:** C#, Python, Java, C++, C, HTML, CSS, Javascript **Familiar with:** MATLAB, VHDL, Assembly, SQL, Kotlin
Frameworks	**Proficient at:** .NET, ASP.NET Core, Entity Framework Core, PyGame **Familiar with:** Vue.js, Django
Learning tools	Google Colab, Keras, TensorFlow, PyTorch, OpenCV, Numpy
Project Management	Git, Scrum, Trello, ClickUp, Draw IO
Others	Latex, Android Development, Linux, SQL Sever, Xilinx ISE, UML, Unity 3D, CI/CD

Languages

Persian Native

English TOEFL iBT: **96** (R: 23, L: 23, S: 26, W:24)
GRE Quantitative: **165** (81st Percentile)

Research Interests

- Machine Learning/Deep Learning
- Reinforcement Learning
- Computer Vision
- Human Machine Interaction
- Natural language processing
- Software Engineering
- Mobile Networks
- Data Science

Teaching Experience

Deep Learning TA (Instructor: Dr. Marzieh Davoodabadi)   Sep 2022 - Present

Fundamentals of Game Development TA (Instructor: Dr. Behrouz Minaei-Bidgoli)   Sep 2022 - Present

Programming Basics TA (Instructor: Dr. Marzieh Davoodabadi)   Sep 2022 - Present

Programming Basics TA (Instructor: Dr. Mehrdad Ashtiani)   Feb 2022 - Jun 2022

Artificial Intelligence TA (Instructor: Dr. Behrouz Minaei-Bidgoli)   Sep 2021 - Jan 2022

Computational Intelligence TA (Instructor: Dr. Naser Mozayani)   Sep 2021 - Jan 2022

Operating Systems TA (Instructor: Dr. Reza Entezari-Maleki)   Sep 2021 - Jan 2022

Programming Basics TA (Instructor: Dr. Reza Entezari-Maleki)   Sep 2021 - Jan 2022

System Analysis and Design Mentor (Instructor: Dr. Mehrdad Ashtiani)   Feb 2021 - Jun 2021

Online Courses

Data Structures, University of California San Diego (Coursera)   Aug 2020

Algorithms on Graphs, University of California San Diego (Coursera)   Jul 2020

Algorithms on Strings, University of California San Diego (Coursera)   Jul 2020

Algorithmic Toolbox, University of California San Diego (Coursera)   Jul 2020

Selected Academic Courses

Deep Learning	A	Theory of Languages and Automata	A
Computational Intelligence	A	Discrete Mathematics	A+
Algorithm Design	A	Operating Systems	A+
Data Structure	A+	Software Engineering	A
Computer Game Design	A+	System Analysis and Design	A+
Mobile Networks	A+	Security of Computer Systems	A+

Industrial Experience

Internship at Dastyar company   *Tehran, Iran*
2 months internship, ASP.NET MVC, SQL, HTML, CSS and JavaScript   Aug 2020 - Sep 2020

Junior developer at Famiran company   *Tehran, Iran*
4 months internship, ASP .NET as Back-end and Vue.Js as Front-end framework   Sep 2019 - Jan 2020

References

Valid upon request