ALI
ALIMOHAMMADI

Tehran, IRAN 🏠
(+98) 912 88 333 58 📞
alialimohammadi@aut.ac.ir ✉
GitHub@AliAlimohammadi 🌐

OBJECTIVE

I am very passionate about learning new things and having some new experiences. Being in collaboration with creative people in a creative environment makes me want to stand out and be more open-minded to solve challenging problems while appreciating the process of doing so.

EDUCATION

B.Sc. in Computer Science
Amirkabir University of Technology (Tehran Polytechnic)
2017 – 2021 (*EXPECTED*)
GPA: 17.65 (out of 20)

B.Eng. *Minor* in Computer Engineering
Amirkabir University of Technology (Tehran Polytechnic)
2020 – 2021 (*EXPECTED*)
As an Honor Student, I was privileged to study for a second B.Sc. in another field, simultaneously.

Diploma of Mathematics and Physics
Allameh Helli 10 High School
2013 – 2017
National Organization for Development of Exceptional Talents (NODET)

Direct admission due to NODET's regulations on middle school GPA.

GPA: 19.60 (out of 20)

Allameh Helli 2 Middle School
2010 – 2013
National Organization for Development of Exceptional Talents (NODET)

Admitted through a competitive two-rounded national entry examination process with the acceptance rate of **0.01%**.

GPA: 20 (out of 20)

EXPERIENCE

Teaching Assistant | Amirkabir University of Technology (Tehran Polytechnic)

FALL SEMESTER 2019
- **Data Structures & Algorithms** – Instructed by Dr. Mohammad Asgaripour
- **Fundamentals of Computer & Programming** – Instructed by Dr. Mohammad Akbari

SPRING SEMESTER 2020
- **Advanced Programming (using C++)** – Instructed by Dr. Mohammad Asgaripour
- **Database** – Instructed by Dr. Amin Gheibi

FALL SEMESTER 2020
- **Design & Analysis of Algorithms** – Instructed by Dr. Mohammad Asgaripour
- **Data Structures & Algorithms** – Instructed by Dr. Mohammad Asgaripour
- **Fundamentals of Computer & Programming** – Instructed by Dr. Mohammad Asgaripour

SKILLS

HIGHLY EXPERIENCED
- C/C++
- Python
- Interactive Python (Jupyter Notebook)
- Android SDK
- Relational Databases (MySQL, PostgreSQL, SQLite)
- RESTful APIs (Retrofit)
- Docker
- Django Web Framework

- OSI Network Model — Deep Understanding of All Layers
- DVWA, nMap, Wireshark, Cain & Abel — Network Penetration Testing Tools
- Cryptography — Symmetric & Asymmetric (PKC)

EXPERIENCED
- Scrum (Agile)
- Trello/Slack/Miro
- Git (GitHub, GitLab)
- Linux (Arch, Ubuntu)
- Java
- Spring Tool Suite (Java Framework)
- Web-Scraping (Data Mining through HTML)
- Google APIs (Maps)
- MATLAB
- Pascal & Delphi

FAMILIAR
- Machine Learning (Scikit-Learn)
- Bash Scripting
- NginX
- Android NDK
- HTML/CSS/JavaScript
- Bootstrap 4
- macOS

CERTIFICATIONS

- CCNA Routing & Switching   Issuer: *NooraNet*   Sep 2018
- Network+ (Network Plus)   Issuer: *NooraNet*   Aug 2018
- Principles & Techniques of Negotiation   Issuer: *Amirkabir Technology Center*   Feb 2018

PROJECTS

Hirbod SQL Judge
The World's First Native Database (SQL) Judge/Scoring System implemented in Python/Django Framework & *PostgreSQL* RDBMS using the latest virtualization and containerization technologies to provide Safety and Scalability followed by efficient use of server resources.

Supports *PostgreSQL* (*MySQL* will be added soon)

Status: First M.V.P. has been released, tested and reviewed by team members; Now being refactored and enhanced for better Persian language support.

DigiKala Sales Dataset Analysis (Biggest Iranian Online Market)
Automated Cleaning and Restructuring of Annual Sales Reports data in order to comply with all **Normal Forms (1 to 5)**. Furthermore, analyzed and reported several *KPI*s.

End-To-End Encrypted Cloud Based Messenger implemented in Python without using ~~SSL~~.

Binary Search Tree Command Line Interface implemented in C++.

AWARDS

- **Official Member** of Iran's National Elites Foundation
- **Honor Student** at **Amirkabir University of Technology (Tehran Polytechnic)**
- Awarded the **1st Computer Science Section** Project for "*World of Music*" in "*2nd Students' Achievements Exhibition*" at *Allameh Helli 10* – *(Android Application and server-side Spring Framework)*
- Awarded the **1st Computer Science Section** Project for "*Rooznama*" in "*1st Students' Achievements Exhibition*" at *Allameh Helli 10* – *(Android Application)*
- Awarded the **1st Art Section** Project for "*The Capital*" in "*18th Students' Achievements Exhibition*" at *Allameh Helli 2* – *(Photography Project)*

LANGUAGES

- **Persian**   (native)
- **English**   (full proficiency)   *TOEFL iBT®:* Total: 105 – R: 26, L: 29, S: 28, W: 22

EXTRACURRICULAR ACTIVITIES

- Professional Photography
- Graphical Designing (using Adobe Photoshop)
- Blogging for Online Motorsport Magazines such as "*f1iran.com*"
- Motorsport Analysis