
Kasra AminiYeganeh

Computer Engineering Student

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EDUCATION

Iran University of Science and Technology, Tehran ([QS Ranking](#))

2016 - Present

B.Sc. in Computer Engineering

GPA ≈ 15/20

- **Notable Courses:**

Design and Analysis of Embedded Systems: A+, Artificial Intelligence: A

Software Design and Architecture: A+, Database Design and Analysis: A+

RESEARCH INTERESTS

- IoT and Machine Learning
- Embedded Systems and Edge Computing
- Computer Networks and Systems
- Software Design and Cloud Solutions

AWARDS & HONORS

- | | |
|------------------------------------------------------------------------------|------|
| ● Ranked 0.3% among 162000 contestants for the Iranian entrance exam | 2016 |
| ● Granted tuition scholarship for the top 4th Iranian engineering university | 2016 |
| ● Accepted for the International internship in Oman as part of IAESTE | 2019 |
| ● Accepted for the International internship in Poland(canceled due COVID-19) | 2020 |
| ● Placed 2th at city youth swimming contest | 2012 |

EXPERIENCE

Academia:

- **Iran University of Science and Technology, Tehran - Teaching Assistant**
Sep 2018 - Jan 2019
Head Teaching Assistant of Basic Programming for Fall semester.
Associated professor: Dr.[Reza Entezari-Maleki](#)
- **Iran University of Science and Technology, Tehran - Teaching Assistant**
Sep 2019 - Jan 2020
Teaching Assistant of Database Design and Analysis.
Associated professor: Dr.[Eisa ZarePour](#)
- **Iran University of Science and Technology, Tehran - Teaching Assistant**
Jan 2020 - Jun 2020
Teaching Assistant of Database Design and Analysis.
Associated professor: Dr.[Eisa ZarePour](#)

Professional:

Digipay, Tehran - Product Development

Jan 2020 - Apr 2020

[Digipay](#) is a smart payment solution working with [Digikala](#)(Iranian largest online retailer). As a team of four, we developed a prototype for paying the delivered packages with NFC tags Under the mentorship of Digipay. (on hold due to COVID-19)

OmanTel, Muscat, Oman - Network Internship

Jul 2019 - Aug 2019

Have been accepted as part of [IAESTE](#) for the Network internship at OmanTel(Oman governmental telecom company). Gained experience from hands-on network management and concepts.

PROJECTS

- **Online Fitness App**
Worked as a team of four with agile methodology to create a super app built with React-Native and Django where users can register in nearby gyms, get diets and workout plans, order calorie fixed foods, and buy sports accessories.

- **Smart Home Solution**

Designed and synthesized an IoT system for the smart home in Proteus using Arduino Uno That would report temperature and could control lights and fans over the internet.

- **Pet Feeding Machine**

Developed an IoT solution that would release a certain amount of pet food whenever it received a signal from mobile. If the auto mode was activated it would detect pet nearby and release the food.

- **Wearable IoT**

As the Final Term project, I am currently working on a device to detect the angle and posture of a person while sitting and send these data for further analysis to Back-end by a doctor in order to prevent serious health issues.(Advisor by professor [Monnazah](#)).

SKILLS & QUALIFICATIONS

- **Industry knowledge:**

Product Development, Web and App Design, Agile methodology

- **Technologies and Languages:**

Python, Git, React-Native, C, Packet tracer, Proteus, Arduino

- **Certificates :**

- Developing Industrial Internet of Things Specialization, Colorado,2020([Link](#))
- Industrial IoT Markets and Security, University of Colorado, 2020([Link](#))
- Project Planning and Machine Learning, University of Colorado, 2020([Link](#))
- Modeling and Debugging Embedded Systems, Colorado systems, 2020([Link](#))
- Object-Oriented Design, University of Alberta, 2020([Link](#))
- Cyber Threats and Attack Vectors, University of Colorado, 2020([Link](#))
- Successfully Completing Job training program at OmanTel Network Department

- **ETS Scores :**

- TOEFL-IBT: To be taken soon(estimated 110)
- GRE: To be taken soon(estimated 315)

- **Languages:**

- Persian, Kurdish Native

- **Other:**

- Gym enthusiast, Entrepreneurship enthusiast, Creative and Expansionist