Amirhossein SEFATI

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Professional summary

Motivated "Computer Science" with 3 years of progressive experience in the Internet of Things (IoT) and protocols of networks layers. Offering expertise in programming with aptitude in learning new fields. Energetic self-starter and team builder able to navigate high-stress situations and achieve goals on time. Interested in field of Algorithms to improve Internet and Network design.

Work history

July 2019 – current
Industrial Server Designer for IoT devices   Tinaio co.
Tehran

- I design server and back-end programs. I want to know more about how to design algorithms for communications between devices to decrease costs and speedup responses.
- Simulating some parts of IoT devices for smart connecting with each other. I used to work with MQTT-SN protocol and it's algorithm to have smart devices connected to main server with lowest headers.
- Familiar with "Wireshark" network analyzer.

October 2018 – current
Web Developer and Designer   Tipica co.
Tehran

- Designing, implementing and monitoring web pages and sites for continuous improvement in a fast-paced environment.
- Managing the team at meetings with executives, and discussing about project goals.
- Employing programming capabilities in PHP, MySQL and JavaScript and other libraries as needed.
- Familiar with TCP/IP protocols and congestion control mechanisms.
- Familiar with Machine Learning concepts and basics with knowledge of python programming.

Skills

Electrical Skills:

- MATLAB programming
- Simulink simulations
- Proteus simulations
- Python programming
- Arduino programming (C++)
- ARM programming (C)
- Altium Designer

Computer Skills:

- Java programming
- JavaScript programming
- Php programming
- MySQL database
- HTML5 and CSS3
- Wireshark analyzer
- Data structure and Algorithm Design
- MQTT protocol

Education

2016-current

Bachelor of Electrical Engineering   Amirkabir University of Technology

- Having an "A" GPA
- Working in Innovation and Technology Center (ITC) in Electrical engineering department
- Holding and teaching "IoT platform design" course in ITC
- Participating in several conferences about Industrial problems and how to solve them with low-budget

2018-current

Bachelor of Computer Engineering   Amirkabir University of Technology

- Field of "Software engineering"
- Having an "A" GPA
- Participating in several labs about Software design, Operating systems, Computer network, Multi-Thread programming and etc
- Creating a web-app site for projects about developing online services in some courses
- Interested in creating simulator and plotter apps like MATLAB-Simulink

2020 - current

Bachelor of Computer Engineering   Amirkabir University of Technology

- Field of "Artificial Intelligence"
- Having an "A" GPA
- Interested to create simulations of human and behavior of him/her.

Tips:

- I study Electrical and Computer engineering in Amirkabir university simultaneously having two separate student IDs for each of them. In our education system, students of "Computer Engineering" must study in two fields! So I study "Software Engineer" and "Artificial Intelligence".
- I am so interested in learning new things and in my opinion, I always learn fast!
- I have this ability to work and study all day long.

Amirkabir University of Technology
B.Sc. Transcript

First name : **AMIRHOSSEIN**

Last name : **SEFATI**

Department : **Electrical Engineering-Electrical Engineering**

Student No. : **9523076**

Date Printed: **5 February 2020**

First Semester 2016 - 2017 (1395 - 1396)

Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Math. (I)	1011053	3	15.25	
General Physics (I)	1021303	3	15.75	
General Physics (II)	1021353	3	14.5	
Islamic Thought (I)	1051122	2	19.5	
English for the Students of Engineering	1061103	3	17.03	
Computer Programming	2302023	3	18.5	
Electricity Lab.	2302511	1	19	

Taken Units: 18	Passed Units: 18	Failed Units: 0	Ineffective Units: 0	Withdrawn Units: 0	Average: 16.73
Total Taken Units: 18	Total Passed Units: 18	Total Failed Units: 0	Total Ineffective Units: 0	Total Withdrawn Units: 0	Total Average: 16.73

Second Semester 2016 - 2017 (1395 - 1396)

Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Math. (II)	1011103	3	17.43	
Differential Equations	1011253	3	16.5	
Numerical Analysis	1011402	2	17.75	
General Physics Lab (I)	1022371	1	20	
Farsi	1051203	3	19	
Islamic Rev. of Iran	1051412	2	19.75	
Probability & Statistics	2302013	3	17.2	
Electric Circuits (I)	2305033	3	19	

Taken Units: 20	Passed Units: 20	Failed Units: 0	Ineffective Units: 0	Withdrawn Units: 0	Average: 18.12
Total Taken Units: 38	Total Passed Units: 38	Total Failed Units: 0	Total Ineffective Units: 0	Total Withdrawn Units: 0	Total Average: 17.46

First Semester 2017 - 2018 (1396 - 1397)

Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Modern Physics	1021253	3	17.5	
Islamic Thought (II)	1051132	2	19	
Electric Circuits Lab	2302061	1	19.5	
Engineering Mathematics	2303043	3	16.75	
Electric Circuits (II)	2305063	3	17.8	
Electromagnetics	2305073	3	14.25	
Eletronics (I)	2305093	3	17	

Taken Units: 18	Passed Units: 18	Failed Units: 0	Ineffective Units: 0	Withdrawn Units: 0	Average: 17.08
Total Taken Units: 56	Total Passed Units: 56	Total Failed Units: 0	Total Ineffective Units: 0	Total Withdrawn Units: 0	Total Average: 17.34

Second Semester 2017 - 2018 (1396 - 1397)

Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Physical Education (I) *Physical Fitness	1040211	1	18.5	
the History of Islamic Culture & Civilization	1051032	2	19.5	
Eletronics Lab. (I)	2302091	1	19	
Electronics (II)	2305113	3		WITHDRAWN
Electrical Machines (I)	2305153	3	17.2	
Logic Circuits	2305183	3	13.5	
Signals & Systems	2305213	3	14.6	
Technical English	2307002	2	18.5	
Research Methods & Report Writing	2384132	2	19	

Taken Units: 20	Passed Units: 17	Failed Units: 0	Ineffective Units: 0	Withdrawn Units: 3	Average: 16.91
Total Taken Units: 76	Total Passed Units: 73	Total Failed Units: 0	Total Ineffective Units: 0	Total Withdrawn Units: 3	Total Average: 17.24

First Semester 2018 - 2019 (1397 - 1398)

Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Physical Education (II) * Hockey	1040161	1	18.5	

Amirkabir University of Technology
B.Sc. Transcript

First name :	**AMIRHOSSEIN**	Student No. :	**9523076**
Last name :	**SEFATI**	Date Printed:	**5 February 2020**
Department :	**Electrical Engineering-Electrical Engineering**		

First Semester 2018 - 2019 (1397 - 1398)　　Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Practical Mysticism in Islam	1051322	2	19.5	
Electronics (II)	2305113	3	12	
Linear Control Systems	2305243	3	10.1	
Communication Systems (I)	2305273	3	17.6	

Taken Units: 12	Passed Units: 12	Failed Units: 0	Ineffective Units: 0	Withdrawn Units: 0	Average: 14.72
Total Taken Units: 88	Total Passed Units: 85	Total Failed Units: 0	Total Ineffective Units: 0	Total Withdrawn Units: 3	Total Average: 16.88

Second Semester 2018 - 2019 (1397 - 1398)　　Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Quran Interpretation	1051532	2	18.5	
Logic Circuits Lab	2302181	1	20	
Linear Control Systems Lab.	2302241	1	19.25	
Digital Control Systems	2304003	3	13.75	
Digital Control Systems Lab.	2305241	1	19.12	
Instrumentation	2356123	3	16.64	

Taken Units: 11	Passed Units: 11	Failed Units: 0	Ineffective Units: 0	Withdrawn Units: 0	Average: 16.96
Total Taken Units: 99	Total Passed Units: 96	Total Failed Units: 0	Total Ineffective Units: 0	Total Withdrawn Units: 3	Total Average: 16.89

Summer 2019 (1398)　　Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Training	2347562	2	19.25	

Taken Units: 2	Passed Units: 2	Failed Units: 0	Ineffective Units: 0	Withdrawn Units: 0	Average: 19.25
Total Taken Units: 101	Total Passed Units: 98	Total Failed Units: 0	Total Ineffective Units: 0	Total Withdrawn Units: 3	Total Average: 16.94

First Semester 2019 - 2020 (1398 - 1399)　　Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Instrumentation Lab	2305251	1	20	
Industrial Control	2309173	3	17.3	
Modern Control	2356113	3	14.6	

Taken Units: 7	Passed Units: 7	Failed Units: 0	Ineffective Units: 0	Withdrawn Units: 0	Average: 16.53
Total Taken Units: 108	Total Passed Units: 105	Total Failed Units: 0	Total Ineffective Units: 0	Total Withdrawn Units: 3	Total Average: 16.91

Second Semester 2019 - 2020 (1398 - 1399)　　Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Electrical Machines (I) Lab.	2302151	1		UNRECEIVED
Indust. Control Lab	2302171	1		UNRECEIVED
Special Topics (Electrical and Electronic Measurement Systems)	2311072	2		UNRECEIVED
Project	2347510	0		IN PROGRESS

Taken Units: 4	Passed Units: 0	Failed Units: 0	Ineffective Units: 0	Withdrawn Units: 0	Average: 0
Total Taken Units: 112	Total Passed Units: 105	Total Failed Units: 0	Total Ineffective Units: 0	Total Withdrawn Units: 3	Total Average: 16.91

This is an unofficial transcript issued solely for the student information and possible use for provisional admission to the graduate school. The official transcript will be provided upon formal request to: Vice Chancellor for Academic Affairs, Amirkabir University of Technology, P.O.Box 15875-4413 Tehran, Iran, registraroffice@aut.ac.ir

Not valid without signature and authorized seal of the registrar, both on the transcript and the envelope.

Amirkabir University of Technology
B.Sc. Transcript

First name :	**AMIRHOSSEIN**	Student No. : **9531702**
Last name :	**SEFATI**	Date Printed: **5 February 2020**
Department :	**Computer Engineering-Computer Engineering**	

**Amirkabir University of Technology
(Tehran Polytechnic)**

First Semester 2018 - 2019 (1397 - 1398)　　　　　　　　　　　　　　　Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Discrete Mathematics	3101033	3	17.75	
Advanced Programming	3101043	3	19.25	
Advanced Programming Lab.	3101051	1	19.25	
Special Topics (Applied Linear Algebra)	3102103	3	14.1	

Taken Units: 10	Passed Units: 10	Failed Units: 0	Ineffective Units: 0	Withdrawn Units: 0	Average: 17.26
Total Taken Units: 10	Total Passed Units: 10	Total Failed Units: 0	Total Ineffective Units: 0	Total Withdrawn Units: 0	Total Average: 17.26

Second Semester 2018 - 2019 (1397 - 1398)　　　　　　　　　　　　　　　Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Data Structures and Algorithms	3102033	3	15.5	
Computer Architecture	3102073	3	17.95	
Computer Architecture Lab.	3102081	1	17.95	

Taken Units: 7	Passed Units: 7	Failed Units: 0	Ineffective Units: 0	Withdrawn Units: 0	Average: 16.9
Total Taken Units: 17	Total Passed Units: 17	Total Failed Units: 0	Total Ineffective Units: 0	Total Withdrawn Units: 0	Total Average: 17.11

First Semester 2019 - 2020 (1398 - 1399)　　　　　　　　　　　　　　　Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Principles of Database Design	3102313	3	16.12	
Microprocessor and Assembly Language	3103013	3	19.6	
Microprocessor and Assembly Language Lab.	3103021	1	19.6	
Operating Systems	3103033	3	16.4	
Operating Systems Lab.	3103041	1	20	
Computer Networks	3103053	3	16.1	
Computer Networks Lab.	3103061	1	16.1	

Taken Units: 15	Passed Units: 15	Failed Units: 0	Ineffective Units: 0	Withdrawn Units: 0	Average: 17.36
Total Taken Units: 32	Total Passed Units: 32	Total Failed Units: 0	Total Ineffective Units: 0	Total Withdrawn Units: 0	Total Average: 17.23

Second Semester 2019 - 2020 (1398 - 1399)　　　　　　　　　　　　　　　Semester Status: Normal

Course Title	Course Code	Unit	Sc./Deg.	Comments
Theory of Machines and Languages	3102093	3		UNRECEIVED
Algorithm Design	3102213	3		UNRECEIVED
Principles of Compiler Design	3102323	3		UNRECEIVED
Software Engineering I	3103073	3		UNRECEIVED

Taken Units: 12	Passed Units: 0	Failed Units: 0	Ineffective Units: 0	Withdrawn Units: 0	Average: 0
Total Taken Units: 44	Total Passed Units: 32	Total Failed Units: 0	Total Ineffective Units: 0	Total Withdrawn Units: 0	Total Average: 17.23