

AmirKhazaie

Info

Born in June 1995

Live in Shahid Nejatollahi
Dormitory, Beh Afarin St,
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Languages

Persian (Native),
English

Programming

C, C++, Python, Java,
Kotlin, Go, HTML, CSS,
JavaScript, SQL, BASH

Frameworks and Platforms

Qt, CherryPy, Flask,
OpenCV, Scikit Learn,
LaTeX, Arduino, Android,
Docker, OpenGL, Tkinter

Operating Systems

OS X, Linux, Android

Tools

Git, Android Studio,
PyCharm, IntelliJ,
TexStudio, Gimp,
Homebrew, Atom, Zsh,
Postman

About Me

Everyone has a hobby, a thing, mine is programming. Nothing is perfect, there is always room to get better, so I accept the challenge to write good programs and maintain them to stay good. I'm a teamman, to achieve something great you need to work with others.

You can find me with @KhazaieAmir on Telegram, @733amir on Twitter, 733amir on Github or give a visit to my LinkedIn page at [LinkedIn.com/in/AmirKhazaie](https://www.linkedin.com/in/AmirKhazaie) link.

education

2017 - Now	M.Sc. in Artificial Intelligence Amirkabir University of Technology	Tehran, Iran
2013 - 2017	B.Sc. of Software Engineering Isfahan University of Technology	Isfahan, Iran
2016	Front End Developer Free Code Camp	
2009 - 2013	Mathematics and Physics Shahid Ejei High School	Isfahan, Iran

awards

2017	Ranked 113th among over 3500 teams in IEEEExtreme 11.0 An algorithmic challenge with 24 hours time to solve the problems. Each hour one problem is represented to competitors. Our score was 1457.
2017	2nd Place in Isfahan University of Technology, APA Security Startup We designed a secure platform for IoT that had 3 layers: 1- Wireless Sensor Network (Edge of our platform) 2- Local Server (Collector of data) 3- SIP Cloud (Data storage and server). Name of the team and idea was SIP (Secure Internet of Things Platform).
2016	Ranked 1st in 4th Iranian ICPC Challenge - Tehran Site
2016	Ranked 8th in 18th ACM-ICPC Asia Region - Tehran Site
2016	Ranked 109th among over 2500 teams in IEEEExtreme 10.0
2015	Ranked 1st in APA Hackathon CTF competition in computer security.
2015	Ranked 7th in Sharif Java Challenge This competition was about writing an AI that wins some kind of a game.

projects

2018	Go Jalaali	Bahamta
	A project to convert Gregorian and Jalaali calendar systems to each other. The method implemented here is precision of correct conversion over 3000 years.	
2018	Noter Android Application	
	Android note taking application capable of creating text notes and canvas to draw. It supports folders for grouping notes together and full import/export of data (backup).	
2017	Pixel Android Application	Rahnema College
	An Android application for Pixel social media that is based on photo sharing.	
2017	Solar System Simulation	
	Simulation of solar system that can speed up or slow down. You can move around things and watch everything.	
2017	A5/1 Cipher Simulator	
	Contributing for a stream encryption algorithm simulator that you can work with it in browser.	
2017	Python for You and Me	
	A long Jupyter notebook for learning Python.	
2017	Cafegap Android Application	
	Application for managing participant of Cafegap event at Isfahan University of Technology.	
2017	Cafegap CherryPy Server	
	Server side of Cafegap android application.	
2016	Funsara CherryPy Server	
	Project for E-Commerce course. We created a simple video serving system with Android and Web interface.	
2016	Iranian Calendar Indicator	
	A simple indicator (tested for Ubuntu) that will show day of month.	
2016	Iran's Calendar Events	
	Fetching specific day events from <i>time.ir</i> as a Python dictionary.	
2016	Simon (game)	
	Simple web based game that challenges your memory.	
2016	Tic Tac Toe	
	Web based Tic Tac Toe with simple and beautiful user interface.	
2016	Quotes	
	Fetch random quotes from Internet and show it in a simple box.	
2016	Wikipedia Searcher	
	A beautiful and animated search bar for Wikipedia.	
2015	Race Car	
	Remotely controlled car with an Android application over WiFi. Arduino Uno and ESP01 modules used in car as processor and communication device.	
2015	Judger	
	A Python script compile and run written codes in C, C++ and Java with specific input and then compare output of code with correct output and report the result.	

2014	Neshani A single page website that helps people find links and online services in Isfahan University of Technology.	Isfahan University of Technology
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experiences

2018	Golang Developer During my time here, I worked on a Charity and Admin telegram bots written with Go in Clean architecture.	Bahamta
2017	Android Developer Intern 6 weeks of Android programming to build a social media based on image sharing feature. At start I know little Android programming, RESTful APIs and Team work, but at the end we wrote the application that was able to communication with server (written by Java Spring) through RESTful APIs.	Rahnema
2017	Co-founder, R&D, Software Developer Startup was about a secure and flexible Internet of things infrastructure with inspiration of MQTT and CoAP protocols. We design very simple version of it and talk with some companies for fund. One of them accepted us and we work all the summer and our funder abandoned the project in first days and didn't tell us! So without money our team and project failed.	Fanoos
2016 - 2017	Teaching Python Teaching more than 100 students about Python and OOP, GUI, Network, Game, Database with Python. For this classes I used my own handbook named Python for You and Me.	Isfahan University of Technology
2017	Organizer of Local ACM 2017 The contest held on Feb 16, 2017. I was in the Technical and Scientific team. Configuring DOMjudge and designing problem G was part of my duties.	Isfahan University of Technology
2014 - 2016	Teacher Assistant Introduction to Computer Programming (Fall 2014, Fall 2015, Fall 2016), Advanced Programming With C++ (OOP) (Spring 2016), Operating Systems (Fall 2016).	Isfahan University of Technology
2015	Organizer of FOSS Congress Planning and executing Free and Open Source Software Congress. Is was about open technologies that was getting popular. Over 150 people participated for 6 workshops on Golang, Angular.js, Laravel, R, Embedded Systems (Raspberry Pi), Linux.	Isfahan University of Technology

publications

- 2017 **Probing, Design and Implementation of an Internet of Things infrastructure using Publish/Subscribe method.** Isfahan University of Technology
This was my Bachelor's project. I explore was IoT means and what protocols and platforms exist out there. Choosing MQTT protocol I tried to design my own platform. Then with Arduino, Raspberry Pi and some sensors and actuators, I implement a simple working example of my designed platform.
- 2017 **Remote Connection to IoT Devices** Hypertext
A paper about MQTT, CoAP and ... protocols in Internet of things that enables them to talk to each other.
- 2016 **Python for You and Me**
A Jupyter notebook available at my Github account. This handbook is an introduction to Python programming language.