

Mahsa Lotfi

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Date of Birth: October 15, 1992

EDUCATION

- ◇ **Sharif University of Technology**, Tehran, Iran (Sep. 2014 - July. 2017)
M.S. in Software Engineering, **GPA to date: 17.26/20.**
- ◇ **Sharif University of Technology**, Tehran, Iran (Sep. 2010 - Sep 2014)
B.S. in IT Engineering, **GPA: 17.36/20.**
- ◇ **Farzanegan Tehran High School**, Tehran, Iran (Sep. 2006 - Jul. 2010)
Affiliated with the National Organization for the Development of Exceptional Talents (NODET)
Diploma in Physics and Mathematics Discipline, **GPA: 19.26/20.**

HONORS AND AWARDS

- ◇ Ranked 401st in the national entrance exam of Bachelor degree of universities in 2010 among more than 300,000 participants.
- ◇ Ranked 26th in the national entrance exam of Master degree of Information Technology in 2014 among more than 10,000 participants.
- ◇ Awarded admission from Exceptional Talents Of Sharif University Of Technology for M.Sc. Program In Software Engineering.

JOB EXPERIENCES

- ◇ **Tap30 Co**(September 2018 - present)
Tap30 is an application provides online taxi services in Iran. It's the second big company based on market share in this field in Iran. Currently, I do backend development using node.js and Python in pricing team, one of the most important teams. We try to optimize the pricing algorithms and procedures theoretically and practically using machine learning algorithms.
- ◇ **Noavaran Sharif Co** (July 2014 - September 2018)
Back-end and Front-end developer.
- ◇ **Pishgaman Atie Elit** (July 2014 - September 2014)
TG is a mobile app developed by titanium platform to help teachers for managing their classes. It provides teachers the ability to manage class informations like grades and student attendances. I had developed this app with one another person in Pishgaman Atie Elit Co during my internship for BSc degree.
- ◇ **SahebNazar** (September 2013 - November 2013)
SahebNazar was a start-up platform developed under supervision of Entrepreneur center of Sharif University of Technology to find appropriate persons to fill your survey. Usually companies and students (specially Humanities) need to distribute questionnaires/surveys to gather data from different people. Finding and convincing your target group of people is hard.

PROJECTS

- ◇ **Dahsaniye** (2018) @Noavaran Saramad Sharif
A mobile application that holds live, real time, question answering competitions everyday at a specific time.
 - Django, python based.
 - Socket programming for realtime events and chats.
 - Protobuf for application APIs.
 - Redis for caching frequently accessed data.

- ◇ **College** (2017- 2018) @Noavaran Saramad Sharif
A mobile application for learning English. Most of backend works of this project is done by me. This application provide these services to users: Learning english through different levels, video streaming, advanced tests.
 - Django, python based.
 - Customized panel with vue.js
 - Provides Restful API(Django rest framework) for mobile application.
 - Redis for caching data.
- ◇ **Varzeshgah** (2016) @Noavaran Saramad Sharif
A mobile application for following sports events, specially soccer matches that will be held around the world. I did backend works for this application using Django. Data is gathered from apis of popular sources.
 - Django, python based.
 - Real time updating of live Games.
 - Provides Restful API(Django rest framework) for mobile application.
- ◇ **AgileSMS**(2015- present) @Noavaran Saramad Sharif
A system for scheduling sending and receiving bulk SMS using mobile operators apis. It has approximately 10 millions registered users that about 4 millions of them are active.
 - Django, python based.
 - Celery for parallel sending bulk SMS.
 - RabbitMQ for queueing.
- ◇ **Arzyab** (June 2015 - December 2015) @Noavaran Saramad Sharif
Arzyab helps financial companies and individuals to value interesting shares simply. Our system parses Microsoft Excel files containing financial model of a company into a concise web-based graph. Customers can apply their assumptions to the graph and predict value of shares.
 - Django, python based.
 - Front-end developing using HTML, CSS, JS, AngularJs.
- ◇ **Arzesh** (Oct 2014 - May 2014) @Noavaran Saramad Sharif
In this project we collect data from Iran Stock Exchange and process them to provide different services for users. Provided services consist of visual information of Iran companies, markets, shares, and the ability to compare different stocks. Portfolio management, screening, and advanced charts for technical analysis are another application of this platform.
 - Flask, python based.
 - Celery for parallel sending bulk SMS.
 - RabbitMQ for queueing.

SKILLS

- ◇ **Language skills:** Persian (native), English (TOEFL IBT: 102).
- ◇ **Programming Languages:** Python, Node.js, Java, Javascript, C, C++,Assembly (MIPS, 8086), Verilog HDL (basic knowledge)
- ◇ **Web Programming:** HTML, CSS, Javascript, Django, Flask, Jquery, MySQL, React.js, vue.js, redis, celery, postgresql, mongoDB
- ◇ **Mobile Programming:** Titanium SDK, Android SDK, React Native
- ◇ **Tools:** Git, R, MS Projects, MATLAB, Altera Quartus, Modelsim, Proteus, Arena
- ◇ **Operating Systems:** Linux, Windows, macOS
- ◇ **Typesetting:** T_EX, L^AT_EX, Microsoft Word
- ◇ **Sports:** Swimming