

# Mohammad Mahdi Samiei Paqaleh

## *Curriculum Vitae*

### Contact Info

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StackOverflow <https://stackoverflow.com/users/4714161/mmsamiei>

### Research Interests

- Data Mining
- Big Data
- Artificial intelligence
- Web Scraping

### Education

- 2014–2018 **Undergraduate, Computer Software Engineering**, *Amirkabir University of Technology*, Tehran, Iran.  
(Expected) ◦ Current GPA 17.95 / 20 (87 / 144 credits)
- 2010–2014 **Diploma of mathematics and physics**, *Allame Helli 4 High School (SAMPAD)*, Tehran, Iran.  
◦ GPA 19.29 / 20

### Honors

- 2017 Selected as a member of National Scientific Olympiad in Computer Engineering team of AmirKabir University of Technology as a result of outstanding performance, Tehran, Iran, 2017.

### Work Experience

- Summer Internship at Adanic company, Tehran, Iran; data scientist, working on personal  
2017 finance management (PFM) of Ayandeh Bank data

### Projects - Mostly Available on [github.com/mmsamiei](https://github.com/mmsamiei)

- 2014 Implementation Snake Game For DOS Systems. **C** → [link](#)
- 2014 Implementation Tetris Game For DOS Systems. **C** → [link](#)
- 2014 Implementation Paint Programm For DOS Systems. **C** → [link](#)
- 2014 Implementation English And Persian Editor For DOS Systems **C** → [link](#)
- 2015 Implementation of a simple guessing game, this was also executed on AlteraDE2 borad - **Verilog HDL** → [link](#)
- 2016 Implementation of a compiler **lex, yacc, C** → [link](#)
- 2017 Implementation of an agent for Pacman Capture Flag contest of university of berkeley **Python** → [link](#)
- 2017 Implementation of a personal secretary Telegram Bot **Python** → [link](#)
- 2017 Implementation of a ProxyServer with FTP connection **Python** → [link](#)

## Skills and Expertise

- **General Software Programming.**  
C, Java, Python
- **Hardware Design Languages.**  
Verilog, VHDL
- **Type Setting.**  
VIM, L<sup>A</sup>T<sub>E</sub>X, LibreOffice, Microsoft Word, Sublime Text
- **Hardware Simulators.**  
ModelSim, Xilinx Vivado
- **DBMS.**  
MySQL, SQLite, SQL Server, MongoDB
- **Operating Systems.**  
Microsoft Windows, Linux (Ubuntu)
- **IDE.**  
Eclipse, Android Studio, Pycharm
- **Data Mining and Machine Learning Tools.**  
Rapid Miner, Weka, TensorFlow
- **Commandline tools.**

## Undergraduate courses

- **Introduction to Programming.**  
19 / 20
- **Advanced Programming with Java.**  
18 / 20
- **Data structures and algorithms.**  
20 / 20
- **Digital systems design.**  
16.6 / 20

- **Electrical circuits.**  
17 / 20
- **Technical English.**  
18 / 20
- **Engineering Statistics.**  
20 / 20
- **Algorithm Design.**  
20 / 20
- **Principles of database design.**  
19.96 / 20
- **Computer Architecture.**  
19.95 / 20
- **Theory of machines and languages.**  
19 / 20
- **Research & Technical Presentation.**  
17.4 / 20
- **Artificial Intelligence.**  
19.25 / 20
- **Principles of Compiler Design.**  
18.1 / 20
- **System Analysis & Desig.**  
18 / 20
- **Operating Sys. Design (I).**  
19.6 / 20
- **Computer Aided Digital System Design.**  
19.75 / 20
- **Computer Networks (I).**  
16.75 / 20
- **Foundations of Data Mining.**  
18.3 / 20

## Languages

- Persian (Native Proficiency)
- English (Limited working proficiency)

## References

References available upon request