



Mohammad Mahdi Samiei Paqaleh

Curriculum Vitae

Contact Info

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Github github.com/mmsamiei

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

Telegram <https://t.me/mmsamiei>

Research Interests

- Machine Learning
- Natural Language Processing
- Information Retrieval
- Data Mining

Education

2018–2020 Master Science of Artificial Intelligence, Sharif University of Technology,
(Expected) Tehran, Iran.

- Current GPA 17.17 / 20 (9 / 29 credits)

2014–2018 Bachelor Science of Computer Software Engineering, Amirkabir University of
Technology, Tehran, Iran.

- GPA 18.11 / 20

2010–2014 Diploma of mathematics and physics, Allame heli 4 high school (SAMPAD),
Tehran, Iran.

- GPA 19.29 / 20

BS Project

title Design and implementation a system for searching relevant question using crawling on Persian community question answering websites

supervisor Dr. Seyed Rasoul Mousavi

key Points

- Design and implementation crawlers to crawl periodically without visiting repetitious links
- Implementation crawlers to crawl dynamic web pages (pages that use JS to show their contents and can't be crawled by common scraping tools)
- Implementation Okapi BM25 ranking function to find similar questions and sort them in order of their proximity to a given question
- Implementation an inverted index to increase speed of system and decrease its response time

Honors

- 2014 Ranked top 0.3% in the country-wide university entrance exam, in more than 220'000 participants
- 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.
- 2018 Ranked 18th in national master of artificial intelligence university entrance exam

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

- 2014 Implementation English and Persian editor for DOS systems C → [link](#)
- 2015 Implementation of a 2d strategic game with multi-player support
- 2015 Implementation of a simple guessing game, this was also executed on AlteraDE2 borad - Verilog HDL → [link](#)
- 2016 Design and Implementation of a healthcare database system
- 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 proxy server with FTP connection Python → [link](#)
- 2018 Implementation frontend and backend of a movie database website for Internet Engineering course final project → [link](#)
- 2018 Implementation of a novel approach in link prediction in bi partite graphs → [link](#)

- 2018 Design and implementation a system for searching relevant question using crawling on Persian community question answering websites (BS-Project) → [link](#)
- 2018 Design and implementation a system for searching relevant question using crawling on Persian community question answering websites (BS-Project) → [link](#)

Skills and Expertise

- General Software Programming.
C, Java, Python
- General Web Programming.
HTML, JS, CSS, PHP
- Web App Development Frameworks.
Vue, Laravel, Flask
- Hardware Design Languages.
Verilog, VHDL
- Type Setting.
VIM, L^AT_EX, LibreOffice, Microsoft Word, Sublime Text, VS Code
- Hardware Simulators.
ModelSim, Xilinx Vivado
- DBMS.
MySQL, SQLite, SQL Server, MongoDB
- Operating Systems.
Microsoft Windows, Linux (Ubuntu)
- IDE.
Eclipse, Android Studio, Pycharm, Visual Studio
- Data Mining and Machine Learning Tools And Libraries.
Rapid Miner, Weka, Scikit-Learn, Keras
- Commandline tools.

Important courses

- Introduction to Programming.
19 / 20
- Advanced Programming with Java.
18 / 20
- Data structures and algorithms.
20 / 20
- Technical English.
18 / 20
- Engineering Statistics.
20 / 20
- Algorithm Design.
20 / 20

- Principles of database design.
19.96 / 20
- Research & Technical Presentation.
17.4 / 20
- Artificial Intelligence.
19.25 / 20
- System Analysis & Desig.
18 / 20
- Operating Sys. Design (I).
19.6 / 20
- Foundations of Data Mining.
18.3 / 20
- Internet Engineering.
18.75 / 20
- Multimedia Systems.
19 / 20
- Software Eng.
18 / 20
- Special Topics (Algorithms for Complex Networks).
17.1 / 20
- Machine Learning.
18.1 / 20
- Natural Language Processing.
17.8 / 20

Teaching Experience

- Teaching Assistant in Artificial Intelligence, Spring 2019.
- Teaching Assistant in Machine Learning for Bioinformatic, Spring 2019.

Languages

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

References

References available upon request