Atefeh Mohammadi

COMPUTER ENGINEERING STUDENT

All underlined terms are clickable links.

📞 (+98) 9196090924 | ✉ atefehmohammadi57@gmail.com | ⌂ Atefeh-Mohammadi | in atefehmohammadi | Ⓢ Atefeh Mohammadi

Education

Alzahra University
Tehran, Iran

B.SC. IN COMPUTER ENGINEERING
Fall 2016 - Summer 2021

- Selected courses:
  - Machine Learning (20/20)
  - Computer Networks (20/20)
  - Bachelor's Thesis Project (19.5/20)
  - Data Structures (18/20)
  - Engineering Mathematics (17.1/20)
  - Statistics and Probability (17/20)
- Last two years' GPA : 17.79/20 (equal to 3.72/4.0)
- Overall GPA : 16.59/20 (equal to 3.38/4.0)

Aboureihan school
Tehran, Iran

HIGH SCHOOL DIPLOMA, MATHEMATICS AND PHYSICS
Fall 2012 - Summer 2016

- Diploma GPA : 19.6/20

Research Interests

• Machine Learning   • Algorithms Design and Data Structures   • Deep Learning

Teaching Experience

Formal Languages and Automata Theory Teachers Assistant
Tehran, Iran

ALZAHRA UNIVERSITY : DR. MASOUD SAGHARICHIAN
Sep. 2019 - Jan. 2020

- Held TA sessions during the semester and taught course materials based on P. Linz textbook (with extra content on **RegEx** in **Python**)
- Assigned and graded homework during the semester
- Helped in grading final and mid-term exams
- Taught installing and using JFLAP software

Advanced Programming Teachers Assistant
Tehran, Iran

ALZAHRA UNIVERSITY : DR. MEHRAN SHARGHI
Jan. 2018 - Jul. 2018

- Held TA sessions during the semester and taught object oriented programming in **Java** programming language
- Graded course projects

English Teacher
Tehran, Iran

THE ONE LANGUAGE ACADEMY
Jul. 2016 - Apr. 2017

- Taught English language at elementary level

Work Experience

VIP intern

UPKEY
Jul. 2021 - Aug. 2021

- Took part in Upkey's Virtual Internship Program for summer 2021 and learnt about entrepreneurship and start-ups, SEO, google analytics, and more.

Validator of Quera Contests
Tehran, Iran

QUERA
Nov. 2020 - Jan. 2021

- A member of validation team for code cup and Mofid brokerage data science contests

Data Scientist   *Tehran, Iran*
Senso startup   *Oct. 2020 - Nov. 2020*
- Programmed in **Python** to fetch, clean, visualize and analyze Iran's bourse market data on a daily basis from TSETMC website

Back-end Development Intern   *Tehran, Iran*
Yara Information Technology   *Jul. 2020 - Sep. 2020*
- Wrote a Python script for playing Rock-Paper-Scissors game with the computer
- Made a **web crawler** to fetch and save advertisements from bama.ir with Python using **Beautiful soup** module
- Experienced working with **Git** in a team

Skills

Data Science
EFFICIENT   *Jan. 2019 - Present*
- Comfortable with programming in **Python** and working with its useful libraries like : **Numpy**, **Pandas**, and **Scikit-learn**
- Efficient at using **data visualization** tools such as **matplotlib**, **seaborn**, **plotly** and **cufflinks**
- Familiar with programming in **MATLAB** and also using GUI in MATLAB

Relational Databases
INTERMEDIATE   *Jan. 2019 - Present*
- Efficient at relational algebra and working with **MS SQL server** and **SQLite**

Network & Web & OS
FAMILIAR   *Dec. 2016 - Present*
- Attended a 24 hour workshop on **network+**
- Familiar with VMWare workstation and Cisco Packet Tracer
- Familiar with **Django** framework
- Beginner in **Linux** (Ubuntu and Mint)

Languages

Persian	Mother tongue
English	• TOEFL iBT : • GRE : • FCE : Grade B
French	Beginner
Arabic	Beginner

Selected Projects

Linear Regression and Classification
PYTHON   *Dec. 2021*
- Implemented **linear regression** from scratch and used it to analyze a data set and used six classification models to analyze another data set. Full report and code are available at Github.

Classification on Lung Images
PYTHON   *Jan. 2021*
- Used **Keras** to build a neural network to **classify CT scan images** of lungs based on their disease. Code is available at Github.

NLP on DigiKala Comments
PYTHON   *Nov. 2020*
- Implemented **naive Bayes** classifier from scratch to **classify Persian comments** on some products. Code is available at Github.

Volunteer Work

Alzahra University : Computer Engineering Scientific Society   *Tehran, Iran*
PRESIDENT - HEAD OF RESEARCH COMMITTEE   *Oct. 2017 - Nov. 2019*
- Had two different roles in two consecutive academic years and was an executive staff in many university events

Honors & Awards

2016   **Ranked among Top 1%,** The Iranian University Entrance Exam (among more than 180,000 contestants)   *Tehran, Iran*

2010   **Ranked 3rd**, The national students Mathematics Olympiad   *Tehran, Iran*

Courses & Workshops

Machine Learning

RAHNEMA COLLEGE   *Nov. 2021*

• Fully passed Rahnema College online course on fundamentals of machine learning. View certificate

Task-oriented course in fundamentals of Python programming and algorithmic thinking

QUERA COLLEGE   *Aug. 2020*

• Certified with Perfect score by Quera College. View certificate

IBM Community Day

ONLINE CONFERENCE   *Oct. 2018*

• Attended IBM's one day online conference on **artificial intelligence**