Mohammad Hosein Ashoori

☐ +98 (911) 613 7404   •   ✉ mhashoori.edu@gmail.com
🌐 cenaashoori.github.io   •   in mhAshoori   •   ○ cenaashoori
ⓘD 0000-0001-9443-0949   •   Mohammad-Hosein-Ashoori
© +989116137404

Education

Vali-e-Asr University of Rafsanjan   **Rafsanjan, Iran**
B.Sc. Computer Engineering, CGPA: 16.34/20 (3.47/4) with 140 credits passed   *2018–2022*
- Last Two years GPA: 17.19/20 (3.8/4)
- CGPA: 16.34/20 (3.47/4) with 140 credits passed
- Thesis: To Be Expected, It's about Community Detection.
- Focus: Software Engineering.
- University's average GPA: 14.14/20, Computer Engineering's average GPA: 14.03/20

Publications

- Fahimeh Dabaghi-Zarandi, Mohammad Mehdi Afkhami, **Mohammad Hosein Ashoori**, Parsa Ka-maliPour, Mohammad Amin Ahmadi, "Solving community detection problem using evolutionary algorithm in social networks" *(in preparation)*
- Fahimeh Dabaghi-Zarandi, **Mohammad Hosein Ashoori**, Parsa KamaliPour, Mohammad Amin Ahmadi, Mohammad Mehdi Afkhami, "A deep learning approaches to community detection." *(in preparation)*

Experience

Research

Undergraduate Research Assistant   **Rafsanjan, Iran**
Department of Computer Engineering, Vali-e-Asr University of Rafsanjan   *Mar 2022–Present*
- Supervisor: Dr. Fahimeh Dabaghi-Zarandi
- Field: Community Detection
- My responsibilities: Gain information, Implementing different approach

Teaching

Undergraduate Teaching Assistant   **Rafsanjan, Iran**
CE Department, Vali-e-Asr University of Rafsanjan

Discrete Mathematics
Dr. Fahimeh Dabaghi-Zarandi, Head TA   *(Spring 2022, Fall 2021)*

Data Structures
Dr. Fahimeh Dabaghi-Zarandi, TA   *(Spring 2022, Fall 2021)*

Design and Analysis of Algorithms
Dr. Fahimeh Dabaghi-Zarandi, TA   *(Spring 2022, Fall 2021)*

Database
Dr. Mojtaba Sabbagh-Jafari, TA   *(Fall 2022)*

Artificial Intelligence
Dr. Amir Hossein Hadjahmadi, TA   *(Fall 2022)*

Fundamentals of Programming
Dr. Amir Hossein Hadjahmadi, TA   *(Fall 2022)*

Instructor for The Summer Coding Bootcamp
Vali-e-Asr University Scientific Association of Computer Engineering   *(Summer 2022)*
Teaching to develop windows application using Flutter based on MVC architecture
Teaching to develop APIs using Django

Mobile Application Developer (Flutter)   **Montreal, CA (Remote)**
Fast Learning App   *Feb 2022–Present*

Research Interests

○ Medical Image Computing   ○ ML   ○ Community Detection
○ Data Science   ○ Bioinformatics

Selected Relevant Coursework

Fundamental of Programming: 20/20   **Advance Programming**: 18.75/20
Data Mining: 19.5/20   **DB Lab**: 18.5/20
Theory of Machines & Languages: 17.9/20   **DB Design and Implementation**: 17/20
Design and Analysis of Algorithms: 17/20   **Design and Analysis of Algorithms**: 17/20
Software Engineering: 17.75/20   **Computer Architecture**: 17/20
Software Engineering Lab: 18/20   **Artificial Intelligence**: 18.5/20
Information Retrieval: 18.5/20   **Programming Language Design**: 17/20
Click here to see more ⎘

Test Scores

TOEFL: Will be taken at October 29th 2022   **GRE**: Not taken yet

Extra Curricular Activities

Head Of The Association
Computer Engineering Scientific Association   *May 2020–Jun 2021*
Vali-e-Asr University of Rafsanjan

Member Of Scientific Staff
Computer Engineering Scientific Association   *May 2019–Jun 2022*
Vali-e-Asr University of Rafsanjan

Member of Executive Staff
Video Games Association   *Oct 2020–Jun 2021*
Vali-e-Asr University of Rafsanjan

Selected Projects

Medical Image Processing with PyTorch ⎘
All of my related work in medical image processing, such as working with dicom,   *Summer 2022*
cnn, functional api, and using pretrained models (transfer learning), is housed in this repo.

Estate Price Predictor Using TensorFlow ⎘
Predict estate price by combining house info(MLP) and its picture(CNN)   *Spring 2021*

Add and Remove noise in/from audio file ⎘
One project regarding to the Signals and Systems course   *Fall 2021*

An application for efficient learning with creating quizzes and flashcards ⎘
One project regarding to the Database course   *Fall 2021*

Computer skills

Application Development: Flutter, Django

Programming Languages: Python, R, C, C++, Dart, MATLAB, Java, SQL

Frameworks & Libraries: Scikit-learn, Matplotlib, Scipy, NetworkX, Cython, Dicom, TensorFlow, Py-Torch, Torchserve

Software Engineering: Refactoring , Debugging, Unit Testing, Agile methodology, Scrum methodology

Tools: Jupyter Notebook, R Studio, LaTeX, Git, Markdown

Others: Linux, MS Office, Adobe Photoshop & Xd, Research & Searching ability

Languages

Persian: Native language

English: Fluent

Gilaki: Native language

Interests

Sports: Table Tennis, Chess

References

Available upon Request

[*September 10, 2022*]