

Pouyan Fallahi

Curriculum Vitae

+98 (921) 369 8951
fallahipouyan78@gmail.com
pouyanfallahi.github.io

Education

Sep.2018– **B.Sc. in Computer Engineering**, Azad University South Tehran Branch,
Aug.2022 Tehran, Iran

- **GPA:** 3.48/4 Overall, 3.70/4 Last 2 years
- **B.Sc. Thesis:** "Identification of diabetes using classification techniques,"
Under the supervision of the departmental head **Prof. Raziieh Farazkish**

Research Interests

- Machine learning, Deep learning
- Computer Vision
- Graph Convolutional Networks

Honors & Awards

- Attain a direct master's admission due to my GPA ranking in the top 15%.
- Ranked 2nd in 2019 Azad University South Tehran branch ACM coding competition

Academic Projects

- Created a highly sensitive line follower robot using Arduino. (2019)

The highly sensitive line follower robot designed with Arduino utilizes infrared sensors to detect and track a predefined path on the ground. The Arduino microcontroller processes the sensor inputs and adjusts the motor speeds accordingly, ensuring precise navigation along the specified route. The robot's sensitivity is achieved through careful calibration of the sensor thresholds, allowing it to respond promptly to subtle variations in the line's position .

- Crafted a straightforward Telegram bot using Python.(2019)

The bot likely performed specific tasks or functions, such as providing information, answering queries, or carrying out predefined commands.

- Developed a Civilization Game using Java. (2020)

Players likely had the opportunity to engage in various aspects of civilization development, such as resource management, city-building, and strategic decision-making. earning object oriented design concepts, and introducing with basic concepts of socket-programming.

- Developed an online project management and visitation system, incorporating all relevant diagrams. (2021)

Throughout this project, we gained familiarity with databases and explored front-end programming languages such as Java Script, with Java utilized for the website's backend. Additionally, various diagrams, including use case diagrams and collaboration diagrams, were employed. The project drew inspiration from real-life scenarios, reflecting practical applications and considerations in its development.

- Document Management Application (2021)

A web application is designed with a Spring backend and a React Native frontend, allowing users to upload and store their files. The project is specifically developed to support the Persian language, catering to users who communicate in their native tongue.

- Implemented a simple English dictionary with Trie tree data structure using python. (2021)

The project showcases a simplified and effective approach to organizing and retrieving English words, demonstrating the versatility of Trie trees in language-related applications.

Course Projects

- **Advanced Python Programming And Object-Oriented Thinking Course**

created by: Quera.

- **Comprehensive machine learning course**

created by: Rahnama College.

Work Experience

Aug 2023 – **IT Supporter**, *Tehran University, Department of Entrepreneurship*

Present ○ Worked on various tasks related to IT support in the department.

Teaching Assistant

Sep-2019 **Data structure**, *Instructor: Dr Parand Akhlaghi*, South Tehran Branch, Tehran, Iran

Sep-2020 **Implementation Of Database Management System**, *Instructor: Dr Amirhossein Rohani*, South Tehran Branch, Tehran, Iran

Sep-2021 **Advanced Computer Networks**, *Instructor: Dr Parand Akhlaghi*, South Tehran Branch, Tehran, Iran

Related Courses

- Artificial Intelligence: 4/4

- Data Mining: 4/4

- Statistics And Probabilities: 4/4

- Advanced Programming: 4/4

- Designing Programming Languages: 4/4

- **CS131 and CS231n** fall 2016 and 2017 **Stanford University**

Skills

- **Programming Languages:**

Python, SQL, HTML, CSS, Java, JS

- **Frameworks & Libraries:**

Pandas, Numpy, scikit-learn, Matplotlib, & (In the process of acquiring Pytorch)

- **Software:**

Jupyter, Colaboratory, Microsoft Office, LaTeX

- **Operating Systems:**
Windows, Linux

Languages

- **Persian:** Native
- **English:** Hold an **IELTS Certification** with an overall score of 7, including a **speaking** score of **7.5**.

Hobbies and Interests

- | | |
|---------|---|
| Running | Attained a position within the top 6 ranks in the 15km section of an international competition held in Turkey. (2022) |
| Chess | Accumulated numerous degrees in my home country from early childhood to the present. |