



# Hedieh Raeisi

M.Sc. Student of Computer Science and Engineering



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Milan, Italy

## EDUCATION

Politecnico di  
Milano,  
Milan, Italy  
2024-Present

### M.Sc. of Computer Science and Engineering

University of  
Science and Culture,  
Tehran, Iran  
2019 - 2023

### B.Sc. of Computer Engineering

- GPA: **18.04 / 20** ( Ranked 4th among nearly 70 Students)
- Project:
  - Using different **pre-trained deep learning models for classifying Alzheimer patients from normal people using their brains MRI**
  - Supervisors: Dr. Alireza Rezvanian and Dr. Mohammadreza Abolghasemi

Raheshayestegan  
Highschool,  
Tehran, Iran  
2015 - 2019

### Math and Physics Diploma

- GPA: 18.9/20 (4/4)

## WORK EXPERIENCES

HiWEB Company,  
Tehran, Iran  
Mar 2024 - Sep 2024

### Junior Product Manager

- Led the development of Farda Smart Insurance the first smart insurance in Iran
- Facilitated direct communication with stakeholders
- Organized and conducted brainstorming sessions
- Mentored and trained two junior employees
- Coordinated with design and development teams

Spring and Summer 2024

Center for  
Convergent Studies  
(NBIC),  
University of Tehran,  
Tehran, Iran  
Feb 2023 - Nov 2023

### Member of Scientific Group (With a corporation of Iran's National Elites Foundation)

- Working on designing a Neurofeedback game for autistic children
  - Supervisor: Dr.Mohammadreza Abolghasemi Dehaqani
- Doing Literature reviews
- Designing a neurofeedback game protocol

Fall 2022

Paygear Company,  
Tehran, Iran  
Oct 2021 - Feb 2022

### Software Engineer Intern

- Designing a Database for a shopping website
- Making a flask app
- Working with Rest API

Spring 2022

University of Science  
and Culture,  
Tehran, Iran

### Teacher Assistant

- Introduction to AI Course
- Principle of Compiler Design Course
- Fundamentals of Programming (C and C++) Course

Spring and Fall 2021

## SKILLS

### Tools and Languages

- Python
- Agile Methodology
- C and C++
- SQL
- Deep learning and ML Libraries

### Analytical Skills

- Market Research
- Machine Learning
- Product Analysis
- Deep Learning
- Statistics
- Data Analysis
- NLP

### Language Skills

- English: **Fluent -IELTS overall score: 7.5** (L: 8, R: 7.5, S: 7, W: 6.5)
- Farsi: **Native**
- Italian : **Basic**

### Soft Skills

- Problem-solving
  - Team Collaboration
  - Leadership
  - Stakeholder management
  - Negotiation
  - Strategic Thinking
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## PROJECTS

### Bill-E: Startup Product Strategy Project for Digital Invoicing and Receipt Analytics

- Contributed to the design of a digital invoicing and smart receipt platform for small and medium-sized retailers, aimed at simplifying e-invoicing compliance and improving customer engagement
  - Helped develop the **business and product strategy, including market analysis, competitor benchmarking, SWOT analysis, and business model design**
  - Supported the definition of key platform features such as a **retailer web dashboard, customer mobile app, QR-based receipt collection, data analytics, and loyalty/promotion tools**
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### Project for My Bachelor Thesis

- Classification of Alzheimer Patients from Normal Persons Using Pre-trained Models
  - Implementing different preprocessing methods using tools like FSL
  - Using different pre-trained deep learning models (e.g. Vision Transformers and ResNet)
  - Using fusion models (classic machine learning like SVM + pre-trained models)

### Machine Learning Course

- **MNIST Project**
  - Classifying with naive Bayes algorithm
  - Reducing features by selecting features with a forward selection algorithm
  - Implementing LDA
- Olivetti Face Project
  - Reducing dimensionality with PCA
  - Finding the best number of components
  - Using Random Forest Algorithm for classification

### Information Retrieval

- Designing a Crawler
    - Crawling the HTML web page and saving universities information as a document
    - Defining a function for calculating similarities for each query that the user enters
    - Showing the top of the search results in the code
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## WORKSHOP AND COURSES

**High-Tech Entrepreneurship**

**Politecnico di Milano - Present**

**University Startup Challenge - USC 2026**

**Politecnico di Milano - Bocconi University Present**

**Innovator Bootcamp FastWeb + Vodafone**

**Politecnico di Milano - FastWeb - Vodafone Present**

**Business Information Systems 1 and 2**

**Politecnico di Milano - Present**

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## HONORS AND AWARDS

- Ranked the **top 3%** in Iran's Universities Entrance exam (2019)
- Member of **Iranian National Elites Foundation** (2022 - Present)
- Member of **Student Scientific Chapter**, University of Science and Culture (2019 - Present)
- Member of **CONNECT**, Community for Neuroscience and Cognitive Technologies, University of Tehran (2023 - Present)
- **Ranked 4th** among the undergraduate students of computer science (2023)
- Granted admission from the Talented Student Office of the University of Science and Culture for Graduate Study (2022)

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## REFERENCES

**Dr. Mohammadreza Abolghasemi Dehaqani**

*Assistant Professor at the University of Tehran*

*College of Engineering / School of Electrical and Computer Contact*

- E-mail: [dehaqani@ut.ac.ir](mailto:dehaqani@ut.ac.ir)

**Dr. Alireza Rezvanian**

*Assistant Professor at the University of Science and Culture*

*College of Engineering / School of Electrical and Computer Engineering*

- E-mail: [rezvanian@usc.ac.ir](mailto:rezvanian@usc.ac.ir)