Sara Rostami

M.Sc. Student of Artificial Intelligence and Robotics
University of Tehran, Tehran, Iran

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✆ Website
 GitHub Profile
 LinkedIn Profile

EDUCATION

•Master of Science in Artificial Intelligence and Robotics *2021-24*
University of Tehran, Tehran, Iran GPA: 19.12/20

•Bachelor of Science in Computer Engineering *2016-21*
Babol Noshirvani University of Technology, Babol, Iran GPA: 17.38/20

•High School Diploma in Mathematics and Physics *2012-16*
National Organization for Development of Exceptional Talents (Sampad), Babol, Iran GPA: 19.64/20

HONORS AND AWARDS

•Top Ranked among Master's Students *2023*
Ranked 3rd in Artificial Intelligence and Robotics Major, University of Tehran, Tehran, Iran

•M.Sc. Entrance Exam *2021*
Ranked 92nd among 14,000 participants in the National Matriculation Exam (M.Sc.), Iran

•Top Ranked among Bachelor's Students *2020*
Ranked 3rd at Computer Engineering Dept., Babol Noshirvani University of Technology, Babol, Iran

•B.Sc. Entrance Exam *2016*
Ranked top 2% among 162,000 participants in the National Matriculation Exam (B.Sc.), Iran

EXPERIENCE

•Teaching Assistant, Computational Neuroscience Summer School *July 2023 (3 weeks)*
Neuromatch Acadamay Remote

– Mentored and assisted students in the computational neuroscience course
– Led interactive sessions and discussions to enhance understanding of course material
– Collaborated with fellow TAs and instructors to ensure a valuable learning experience

•Teaching Assistant for Master's Courses *Jan 2023 - July 2023*
University of Tehran, Tehran, Iran Local

– Statistical inference (Spring 2023)
– Introduction to Cognitive Neuroscience (Spring 2023)

•Research Intern *Aug 2022 - Feb 2023*
Genzel lab, Donders institute for brain, cognition and behavior Remote

– Part of the *Systems Consolidation During Sleep* Project
– Data Preparation, wrangling and visualization
– Applied ML algorithms to clean data for classification

SELECTED ACADEMIC PROJECTS

•Comparative Study of Standard ML Algorithms on Music Genre Classification
University of Tehran, Tehran, Iran Fall 2021

– Collected music pieces from 5 different Irainian Instruments
– Applied dimensionality reduction techniques
– Applied ML algorithms for instrument classification

•EEG-based Emotion Recognition using Deep Reinforcement (B.Sc. Project)
Babol Noshirvani University of Technology, Babol, Iran Summer 2021

– Applied deep reinforcement learning for recognizing emotions based on EEG signals

Licenses & Certifications

•**Computational Neuroscience Summer School TA**

Neuromatch Academy Summer 2023

   – Mentored the students during the Tutorials and Project

•**Computational Neuroscience Summer School Student**

Neuromatch Academy Summer 2022

   – Completed the Tutorials and Project

Technical Skills and Interests

Computer Skills: Python, SQL, R, MATLAB, C#, Java, Git
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

Languages

Farsi (Native)
English (Fluent)

Selected Courses

•**Graduate**

   – Trustworthy AI: 19.8/20
   – Neural Networks & Deep Learning: 19.94/20
   – Machine Learning: 19/20
   – Statistical Inference: 18.7/20
   – Data Analysis: 20/20
   – Introduction to Cognitive Neuroscience: 18.45/20

•**Undergraduate**

   – B.Sc. Project: 19/20
   – Signals & Systems: 19.5/20
   – Graph Theory: 20/20
   – Introduction to Programming Contests: 20/20
   – Operating Systems: 20/20
   – Fundamentals of Compiler Design: 19.1/20
   – Language Theory & Automata: 18/20

References

Mohammadreza Abolghasemi Dehaqani	*Assitant Professor* *University of Tehran* *Electrical and Computer Engineering Department* *dehaqani@ut.ac.ir*
Abdol-hossein Vahabie	*Assitant Professor* *University of Tehran* *Electrical and Computer Engineering Department* *h.vahabie@ut.ac.ir*
Hesam Omranpour	*Assitant Professor* *Babol Noshirvani University of Technology* *Electrical and Computer Engineering Department* *h.omranpour@nit.ac.ir*