

MOHAMMAD PARSIAN

@ Mohammad.Parsian@gmail.com 📍 Tehran, Iran 📞 +989187143971 🌐 online6731

EDUCATION

M.Sc. in Cognitive Science

University of Tehran

📅 2022 - ongoing

B.Sc. in Computer Engineering

Bu-ali Sina University

📅 2017 - 2022

EXPERIENCE

Teaching Assistant

Laboratory Methods in Cognitive Science

📅 2023 Jun - 2023 Aug 📍 University of Tehran

Teaching Assistant

Fundamentals Of Computer Programming

📅 2019 📍 Bu-Ali Sina University

PROJECTS

fNIRS Signal Classification of Imagary motor movement

📅 2022 - 2022 📍 NBML

Performing Preprocessing (filtering, denoising), time and frequency domain analysis, classification and visualization of fNIRS signals.

fNIRS Signal Deep learning Optimization

WhoKnows Startup

📅 2018 - 2019 📍 Bu-Ali Sina University

Founded and Managed an online Quiz Platform startup with +5 developers. Experienced coding in multiple positions including Backend(Node.js, Python), Frontend(Angular, Flutter), CI/CD, and etc.

Startup Management teamwork Programming

Programming Projects

- Matlab Tasks including Psychophysics Experiments
- Texture Classification with Gabor filters in OpenCV
- Object Detection using SIFT and FREAK algorithms
- Car Classification with interactive data visualization
- Face Recognition using Hough Transform

RESEARCH INTERESTS

Brain Computer Interfaces Large Language models
BioMarkers Autism Spectrum Disorder

HONORS AND AWARDS

- 🏆 1th Place in Cognitive Science Master's Exam
2022, Among +1000 National Participants
- 🏆 2th Place in National fNIRS Analysis Competition
2022, at National Brain Mapping Lab
- 🏆 13th Place in ACM-ICPC Programming Contest
2018, Among +100 Teams from Asia Region
- 🏆 1th Place in International PAYA Math League
2013, Among +100 International teams
- 🏆 Honorary member of Ahmadi Roshan Project
2023, Founded by National Elite Foundation

SKILLS

Python (5+ years) ● ● ● ● ●
Deep Learning (2+ years) ● ● ● ● ●
Machine Learning (3+ years) ● ● ● ● ●
Web Development (4+ years) ● ● ● ● ●
Computer Vision (1+ years) ● ● ● ● ●
Signal Processing (1+ years) ● ● ● ● ●
Matlab (1+ years) ● ● ● ● ●

Other Languages: C# C++ Java R JavaScript

Other Libraries: Psychtoolbox OpenCV MNE
PyTorch NumPy Scikit-Learn Pandas scipy
JAX Plotly-Dash Optuna AutoGluon

LANGUAGES

Persian ● ● ● ● ●
English ● ● ● ● ●