REZA NAZARI

Birth Date:	25 April 1995	**Address:** Computer and Information Networks (COIN) Laboratory, Faculty of New Sciences and Technologies, University of Tehran, North Kargar Street, Tehran, Iran
Sex:	Male	
Nationality:	Iranian	
Marital Status:	Single	**Email:** nazari.reza@ut.ac.ir
Current position:	PhD Candidate	**Cell Phone:** +98-9334332133

EDUCATION

2013 – 2017

Shiraz University, Shiraz, Iran
B.Sc, Computer Engineering
Overall GPA: 15.87/20
Major Subjects GPA: 17.18/20
B.Sc. Project: Fars Tourist Website
B.Sc. Project GPA: 20/20
Supervisor: Dr. Mostafa Fakhrahmad

2017 – 2019

Shiraz University, Shiraz, Iran
M.Sc, Computer Engineering
Overall GPA: 17.95/20 (First Rank)
M.Sc. Thesis: Developing an Intrusion Detection System based on Fuzzy Logic
Evaluated and Approved by the Thesis Committee as: Excellent
Supervisor: Dr. Mostafa Fakhrahmad

2019 – Present

University of Tehran, Tehran, Iran
Ph.D, Computer Engineering
Overall GPA: 18.81/20 (First Rank)
Ph.D. Dissertation: Brain network analysis to identify biomarkers in neurodevelopmental disorders
Supervisor: Dr. Mostafa Salehi

Teaching Experiences

- **Teaching Assistant:** (2015- Present)
    - **Discrete Mathematics:** Computer Software & Hardware Engineering students, Shiraz University (2016-2018)

- o **Automata Theory and Languages:** Computer Software & Hardware Engineering students, Shiraz University (2015-2019)
  - o **Internet of Things (IoT):** Computer Engineering and IT PhD students, Tehran University (2019-2024)

- **Swim Coach:** (2008-2018)
  - o Trained athletes in competitive swimming techniques and strategies.
  - o Evaluated swimmer performance, identified areas for improvement, and provided constructive feedback.

Working Experience

- **Researcher:** Computer and Information Networks (COIN) Laboratory (https://coinlab.ut.ac.ir), University of Tehran (2019 – Present)
  - o Research focus: Network Science, Brain Connectivity, Machine Learning, Deep Learning, Computer-Aided Diagnosis (CAD), Neuroimaging

- **Researcher:** Software Engineering and Cyber Security Laboratory, Shiraz University (2017-2019)
  - o Research focus: Machine Learning, Intrusion Detection and Prevention Systems (IDPS), Fuzzy Logic and Higher Order Fuzzy Sets, Metaheuristic Algorithms

- **Web Developer** (Freelance):
  - o Designed and developed websites for various clients, including:
    - www.shirazbme.ir (2019)
    - www.neuromapc.com (2018)
    - www.rezanazari.com/demo (Fars Tourist Website Demo, 2017)
    - www.payamedical.com (2017)
    - www.azZaban.com (2016)
    - www.RezaNazari.com (2013)
    - www.drParhizkar.com (2012)
    - www.Fun95.com (2009)
    - www.Sweet.40s.ir (2007)
    - www.Tarin.40s.ir (2006)

Skills

- Research experience in:
  - o Applying Network Science and Machine Learning to neuroimaging data
  - o Developing and implementing Deep Learning models for multi-modal neuroimaging data classification (fMRI, sMRI, dMRI, EEG)
  - o Investigating brain connectivity and network dynamics using Network Neuroscience approaches
  - o Designing and evaluating Computer-Aided Diagnosis (CAD) systems for neurological conditions
  - o Developing intelligent security systems, including Intrusion Detection and Prevention Systems (IDPS), based on Fuzzy Logic and Metaheuristic Algorithms

- Proficient in utilizing leading neuroimaging software suites:
  - Nilearn, fMRIPrep, sMRIPrep, MNE-Python, SPM, FSL, ExploreDTI, Brain Connectivity Toolbox
- Actively Staying Current with Advancements in:
  - Machine Learning and Deep Learning through publications, blogs, and events

- Strong technical foundation in:
  - Programming languages: Python, C/C++, Java, JavaScript/jQuery, PHP, HTML/XHTML, CSS, SQL
  - Software platforms: Wordpress, ASP.NET
  - Other technical skills: SEO, Cybersecurity, MATLAB, Assembly Language, Unix, Linux, Windows, Microsoft Office, LaTeX, MIS, CMS, OOP

- Web and Application Development Expertise:
  - Experience in Object-oriented Software Development Methodologies
  - Translating conceptual ideas into creative and user-friendly websites and applications
  - Designing, coding, and testing Android applications
  - Integrating new technologies into existing web properties
  - Experience working with high-volume websites across various desktop and mobile browsers
  - Designing logos, banners, and UI elements for websites and applications
  - Monitoring website and platform performance
  - Developing enterprise Content Management Systems (CMS)
  - Advising clients on website and application layout, color scheme, and style
  - Registering websites with major search engines

- Additional Skills:
  - Extensive knowledge of databases, servers, and operating systems
  - Proficiency in graphic design software (Dreamweaver, Illustrator, Photoshop, Adobe Premier)
  - Staying current with emerging web technologies through relevant sources
  - Expert in all forms of swimming strokes with sound knowledge of swimming techniques

Trainings and Workshops Attended

- **Application of Deep Learning Models in EEG Signal Analysis Course:** 12 hours, Amirkabir University of Technology, November 2023.

- **Processing of Brain Electrical Signals (EEG & ERP) in MATLAB Software:** 12 hours, Online, Nov. 8 – Dec. 2, 2023. Organized by Connectome Academy.

- **Principles of EEG-Based Experiments in Brain Studies:** Online, Sept. 3, 5, 7, 10 & 12, 2023. Organized by Connectome Academy.

- **7th Iranian Congress on Brain Mapping (ICBM2023):** 16 hours, Tehran, Iran, July 13-14, 2023. Organized by the National Brain Mapping Lab and ICBM.

- **Depression in Pregnancy Webinar:** 2 hours, Online, June 21, 2023. Organized by Iran University of Medical Sciences.

- **3-Day Workshop on MRI and fMRI Data Analysis in Freesurfer:** 21 hours, National Brain Mapping Lab (NBML), June 21-23, 2023. Organized by NBML and SYNAPSE.

- **Course on Data Processing with Deep Learning Techniques based on Python:** 30 hours, Online, February 2023. Organized by National Brain Mapping Lab and SYNAPSE.

- **Theoretical and Practical Diffusion Tensor Imaging Course:** 32 hours, Sept. 5-8, 2022. Organized by NeuroTRACT International Association.

- **The 20th Interdisciplinary Seminar of Iran's Brain Mapping Student Branch:** 8.5 hours, Online, Feb. 17, 2022. Organized by the National Brain Mapping Lab.
- **The 19th Interdisciplinary Seminar of Iran's Brain Mapping Student Branch:** 7 hours, Online, Feb. 3, 2022. Organized by the National Brain Mapping Lab.
- **The 18th Interdisciplinary Seminar of Iran's Brain Mapping Student Branch:** 9 hours, Online, Jan. 13, 2022. Organized by the National Brain Mapping Lab.
- **The 17th Interdisciplinary Seminar of Iran's Brain Mapping Student Branch:** 9 hours, Online, Dec. 30, 2021. Organized by the National Brain Mapping Lab.
- **The 16th Interdisciplinary Seminar of Iran's Brain Mapping Student Branch:** 9 hours, Online, Dec. 23, 2021. Organized by the National Brain Mapping Lab.
- **The 15th Interdisciplinary Seminar of Iran's Brain Mapping Student Branch:** 5 hours, Online, Dec. 21, 2021. Organized by the National Brain Mapping Lab.
- **The 14th Interdisciplinary Seminar of Iran's Brain Mapping Student Branch:** 9 hours, Online, Dec. 16, 2021. Organized by the National Brain Mapping Lab.
- **The 13th Interdisciplinary Seminar of Iran's Brain Mapping Student Branch:** 9 hours, Online, Dec. 14, 2021. Organized by the National Brain Mapping Lab.
- **The 12th Interdisciplinary Seminar of Iran's Brain Mapping Student Branch:** 9 hours, Online, Dec. 9, 2021. Organized by the National Brain Mapping Lab.
- **The 11th Interdisciplinary Seminar of Iran's Brain Mapping Student Branch:** 9 hours, Online, Dec. 2, 2021. Organized by the National Brain Mapping Lab.
- **The 10th Interdisciplinary Seminar of Iran's Brain Mapping Student Branch:** 9 hours, Online, Nov. 30, 2021. Organized by the National Brain Mapping Lab.

- **fMRI Imaging and Data Analysis Workshop:** 48 hours, March-June 2021. Organized by Tehran University of Medical Sciences, Isfahan University of Medical Sciences, Neuroimaging and Analysis Group, Brainee Team.

- **Neuroimaging and Analyzing Data Course:** 32 hours, July-Sept. 2021. Organized by Hippocampus Association of Ardabil University of Medical Sciences.

- **Neuroembryology Course:** 12 hours, July-Sept. 2021. Organized by Hippocampus Association of Ardabil University of Medical Sciences.

- **Scientific Research Paper Writing and ISI Publication Workshop:** 24 hours, April 2021. Organized by OxfordCert Universal Academy and Pezhvakdanesh.

- **Cyberspace and Cyber Threats Seminar:** 3 hours, Shiraz University, September 2015.

List of Publications in National and International Journals

- **Nazari, R.**, & Salehi, M. (2024). Brain Network Transformer for Multimodal Autism Spectrum Disorder Classification. Submitted to Biomedical Signal Processing and Control.

- **Nazari, R.**, & Salehi, M. (2023). Early development of the functional brain network in newborns. Brain Structure and Function, 228(7), 1725-1739. https://doi.org/10.1007/s00429-023-02681-4

- **Nazari, R.**, & Fakhrahmad, M. (2021). Developing an Intrusion Detection System Based on Fuzzy Clustering and Whale Optimization Algorithm. Journal of Advanced Defense Science & Technology, 12(2), 143-158.

- **Nazari, R.**, Hassan, M. S. B. H., Nazari, P., & Parhizkar, S. (2019). Exploring the Link between Television Program Pacing and Aggression among Iranian Students. Journal of Sociological Research, 10(2): 119-140.

List of papers presented in Congresses, Conferences

- Mohammad Reza Nazari, Saadat Parhizkar, **Reza Nazari**. (2014). Evaluation of Iranian children's access to and use of mass media. National Conference on Social Determinants and Health Inequalities. 3-5 March, 2014, Yasuj University of Medical Sciences, Yasuj, Iran.

- Mohammad Reza Nazari, Saadat Parhizkar, **Reza Nazari**. (2014). Relationship between satellite program viewing and aggressive behaviour among Iranian primary school students. National Conference on Social Determinants and Health Inequalities. 3-5 March, 2014, Yasuj University of Medical Sciences, Yasuj, Iran.

- **Reza Nazari**, Saadat Parhizkar, Pooya Nazari. (2018). Prayer Manifestation of thralldom in different religions. National conference of prayer, health of the body and soul, Trip in Prophet's life style and Razavi culture, 27-28 November 2018, Yasuj, Iran.

- Saadat Parhizkar, Pooya Nazari, **Reza Nazari**. (2018). Prayer in the mirror of Hafez poetry. National conference of prayer, health of the body and soul, Trip in Prophet's life style and Razavi culture, 27-28 November 2018, Yasuj, Iran.

- Pooya Nazari, Saadat Parhizkar, **Reza Nazari**. (2018). Prayer the Way of Receiving to God from the Viewpoint of Molana. National conference of prayer, health of the body and soul, Trip in Prophet's life style and Razavi culture, 27-28 November 2018, Yasuj, Iran.

Research Interests

- Network Science
- Brain Connectivity
- Machine Learning
- Deep Learning
- Neuroimaging
- Computer-Aided Diagnosis (CAD)
- Fuzzy Logic & Higher Order Fuzzy Sets

Language Proficiency

Other Languages	Persian (Mother Tongue)	English	Arabic	Malay	Japanese
Reading skills	Excellent	Good	Moderate	Basic	-
Writing skills	Excellent	Good	Basic	Basic	-
Verbal skills	Excellent	Good	Basic	Basic	Basic

Referees

- Dr. Mostafa Salehi
    - Associate Professor, Faculty of New Sciences and Technologies, University of Tehran
    - School of Computer Science, Institute for Research in Fundamental Science (IPM)
    - [mostafa_salehi@ut.ac.ir]

- Dr. Morteza Ebrahimi
    - Associate Professor, Faculty of New Sciences and Technologies, University of Tehran
    - [mo.ebrahimi@ut.ac.ir]

- Dr. Mostafa Fakhrahmad
    - Associate professor, Faculty of Electronics and Computer Engineering, Shiraz University
    - [fakhrahmad@shirazu.ac.ir]

- Dr. Hooman Tahayori
    - Associate professor, Faculty of Electronics and Computer Engineering, Shiraz University
    - [tahayori@shirazu.ac.ir]