Mahdi Mirzad

Tehran, Iran | +98 933720 3000 | LinkedIn | GitHub | Google Scholar | Email | Website

Research Interests

• **Software Development and System Design**   • **Artificial Intelligence**   • **Optimization Algorithms and AI Systems**

Education

M.Sc. Business Administration (MBA) - Small Businesses   **2020 – 2022**
Faculty of Management, Islamic Azad University, Science and Research Branch, Tehran

 B.Sc. Chemical Engineering   **2014 –2019**
Faculty of Engineering, University of Tehran

Diploma in Mathematics and Physics   **2010 – 2014**
SAMPAD Shaheed Haghani High School for Gifted Students

Publications & Ongoing Research

[Published] N. Shojaei, M. Mirzad, H. Rostami, et al, "Deep Learning Automated Differential Diagnosis of Pharyngitis using Smartphone Camera," Proceedings of the 1st International Biennial Conference of Artificial Intelligence and Data Science (AIDSAI), Bushehr, Iran, 2024. [DOI].

Experience

Freelance Software Developer   Self-Employed   **[2018–Present]**
- **Developed web-based applications using React and modern JavaScript frameworks**
- **Implemented data processing and analysis solutions using Python and MATLAB**
- **Designed and optimized engineering simulations using Aspen HYSYS and Aspen Plus**
- **Built automation scripts and problem-solving tools tailored to client needs**
- **Collaborated with clients to gather requirements and deliver customized technical solutions**

Skills

- **Creative Media & Visual Content Production:** (Adobe Premiere, Photoshop, After Effects)
- **Data Analysis & Office Productivity**: (Microsoft Excel, Word, PowerPoint)
- **Programming & Software Development:** (C++, Python, MATLAB, React)
- **Advanced Engineering & Process Simulation Tools:** (Aspen HYSYS, Aspen Plus, AutoCAD, Minitab)

Languages

- **English:** Proficient
- **Persian:** Native

Awards

- **Ranked 625 in the National University Entrance Exam (Mathematics and Physics) in Region 2**
- **Certificate of Participation in Aspen HYSYS Workshop, Faculty of Chemical Engineering, University of Tehran**
- **Certificate of Participation in Aspen Plus Workshop, Faculty of Chemical Engineering, University of Tehran**
- **Certificate of Participation in Photoshop Workshop, University of Tehran**
- **Passed the first stage of the National Chemistry and Mathematics Olympiad ipsum dolor sit**