

# 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

<b>M.Sc. Business Administration (MBA) - Small Businesses</b> <i>Faculty of Management, Islamic Azad University, Science and Research Branch, Tehran</i>	<b>2020 – 2022</b>
<b>B.Sc. Chemical Engineering</b> <i>Faculty of Engineering, University of Tehran</i>	<b>2014 – 2019</b>
<b>Diploma in Mathematics and Physics</b> <i>SAMPAD Shaheed Haghani High School for Gifted Students</i>	<b>2010 – 2014</b>

## 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

<b>Freelance Software Developer</b>	<b>Self-Employed</b>	<b>[2018–Present]</b>
<ul style="list-style-type: none"><li>• Developed web-based applications using React and modern JavaScript frameworks</li><li>• Implemented data processing and analysis solutions using Python and MATLAB</li><li>• Designed and optimized engineering simulations using Aspen HYSYS and Aspen Plus</li><li>• Built automation scripts and problem-solving tools tailored to client needs</li><li>• Collaborated with clients to gather requirements and deliver customized technical solutions</li></ul>		

## 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