

Sargol Moslemi

Tel: +989127935977 | Date of birth: 2000/12/21 | [Email](#) | Webpage | [GitHub](#)

A Computer science Engineer with 3 years of experiences software deployment who has a great passion for impactful technology.

Education

Shahrood University of Technology(*It is ranked 103th in Asian University Rankings*), Shahrood, Iran
BEng in Computer science Engineering - ([Link](#)) 2019 – 2023

GPA: 3.8/4

Major GPA: 4/4

- **Thesis Project:** My bachelor's thesis focused on 3D facial scanning and analysis. I developed a system that captures and processes 3D models of human faces to extract meaningful geometric and biometric features.

★ I was the first student in my nation who succssesfully completed bachelor's degree in 3 years.

National Organization for Development of Exceptional Talents(Sampad), Tehran, Iran

High School in Diploma-Diploma in mathematics and physics

2017– 2019

GPA: 3.5/4

Research Interests

- Software Eng, architecture and quality assurance practices to ensure scalable and maintainable.
- Data Science, data minig, visualization and extracting actionable insights from complex datasets.
- Quantum Computing fundamentals and its applications in optimization and secure computation.
- Networks and Security, Passionate about network security, cryptography, cybersecurity techniques
- Process Modeling and Business Process Management Systems (BPMS) with tools such as Bizagi.

Work Experiences

MazMaz Industrial Group, Tehran, Iran

Software Developer(Full-Time) - ([Link](#))

Sep 2024 – Jun 2025

- Establishing and developing the application of MazMaz Industrial Group and building a personnel portal.The establishment of two international projects, Bakhi Shilak Iraq and White Rock Iraq, by the internal software of the organization and the software of the partners of the system and the ERP system of Aryan System. Processing and expression writing of financial, warehouse and sales modules by Bizagi software and SQL server.

Hamkaran System Company,Tehran, Iran

Financial software deployment(Part-Time) – ([Link](#))

Dec 2024 - May 2025

- Developed and deployed integrated software for financial, sales/export, and warehouse modules using Bizagi. Built custom forms and expressions, enabling real-time data exchange between modules to automate accounting and operational workflows.

Snapp, Tehran, Iran

BPMS Developer(Part-Time) – ([Link](#))

Jun 2024 – Dec 2024

- Designed and implemented Snapp office automation system to digitize internal operations. Also built an online food reservation system for staff, enabling seamless daily meal bookings and reducing manual processes. Worked closely with HR and IT teams to ensure smooth deployment and user adoption.

Tehran International Complex, Tehran, Iran
MA Process Eng(Full-Time) – ([Link](#))

Oct 2023 – Nov 2024

- My achievement in this one year of work experience in the government administration includes: completing 10 operational projects on the inspection system of the whole country called Dargah Sahba, including the process modeling of file filing, ruling, correction, deletion of the file and the following report File and follow-up, which is mostly done mechanized and through Web Service writing. Every part of the project is managed by Jira software.

Shahrood University of Technology, Shahrood, Iran
Teaching Assistant(For One Semester) - ([Link](#))

Dec 2022 – Jun 2023

- Worked as a Teaching Assistant for one semester in the Database Design Principles course under the supervision of Dr. Zahedi.(zahedi@suigle.com) Responsibilities included assisting students with database concepts, helping grade assignments, and supporting lab sessions focused on SQL and relational modeling.

Technical Skills

Programming & Scripting Languages

- Python (NumPy, Pandas, Matplotlib, Scikit-learn, OpenCV, TensorFlow, Flask, etc.)
- JavaScript (Basic use for UI elements and frontend logic)
- HTML/CSS (For basic web development and GUI design)
- SQL (Basic queries, database integration)

Software Development & Tools

- Git, GitHub, GitLab (Version control)
- Postman (API testing)
- VS Code, PyCharm (IDEs)

Automation & Office Workflow Systems

- Bizagi (Process modeling, workflow automation, form design, expression writing)
- SNAP Office Automation (System implementation & deployment)
- Custom-built Staff Reservation System (Backend + UI logic)

Other Technical Tools

- Excel (Advanced formulas, pivot tables, data processing)
- Power BI or Tableau (For Reports & show workflow)
- Notion & Jira (for task and project management)

Team Leadership & Mentorship

- Delegated tasks based on team members' strengths
- Ensured timely delivery of project milestones
- Handled priority shifts and tight deadlines effectively

Publications

Practical Smart Coverage Path Planning for Agricultural Unmanned Aerial Vehicles Using Proximal Policy Optimization

[International Journal of Computers and Electronics in Agriculture, 29 September 2025] – Under Review

Performance Optimization of MRAC-Controlled Morphing Quadrotors Under Unbalanced Load Using Reinforcement Learning

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Certificates

CompTIA Network+ Certification

Eiffel Net Institute, Tehran, Iran

Nov – 2022

Programming with Python

Tehran Institute of Technology, Tehran, Iran

Feb – 2022

Honor and Award

The 2nd Congress on Artificial Intelligence(AIMS), Tehran,Iran

Medical Sciences (Link)

May – 2025

- We developed a transparent and interpretable model for smart screening of Non-Alcoholic Fatty Liver Disease (NAFLD) using clinical and laboratory data. By leveraging decision tree learning and rule extraction techniques, we generated four simple, yet highly reliable IF-THEN rules that assist in diagnosing or ruling out NAFLD in a clinical setting. This project was presented at the 2nd Congress on Artificial Intelligence in Medical Sciences — one of the largest scientific events in the field — where our team, SmartLiver, was honored as the winner of the knowledge discovery competition.

3rd Place – Group Poetry Performance (Citywide Level)

16th Cultural & Literary Festival, Tehran Department of Education, Tehran, Iran

Dec – 2025

- Achieved 3rd place among 34 competing teams in group poetry performance at a citywide cultural event.

3rd Place – Karate Youth Division

Karate Championship, District 9 Municipality of Tehran, Iran

Sep – 2016

- Secured 3rd place in the youth category of the in karate competitions held by Tehran Municipality.

2nd Place – Hula Hoop Competition (Sampad High School Olympiad)

National Organization for Development of Exceptional Talents(Sampad), Tehran, Iran

June – 2017

- Achieved 2nd place in the hula hoop category during the interschool athletic Olympiad.

Green Belt Certification – Wado-Ryu International Karate

Issued by the Karate Federation of the Islamic Republic of Iran, Tehran, Iran

May – 2015

- Achieved green belt level in Wado-Ryu international karate techniques.

Volunteer and Extra-Curricular Experience

- Helped plan school cultural and artistic festival. *June – 2015*
- Packed and distributed fresh meals for homeless individuals. *Sep – 2023*

Languages and Hobbies

- **Languages:** Fluent in Persian, **Proficient in English (IELTS Academic, Overall Band: 8.0)**
- **Hobbies:** Modeling and industrial photography as a project, analyzing podcasts of personality, psychology and history, do meditation and yoga and cooking.