Mostafa Salari Khaniki

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Education

University of Mazandaran	Mazandaran, Iran
Bachelor of Computer Science	March 2024
GPA: 16.23/20 (Last two years: 17.27/20)	

Research Interests

- Machine learning and Artificial Intelligence in Health
- Biomedical Engineering
- Image Processing
- Web Application Developer (Backend)

Skills

- **Programming Language**: Python, C++
- **Relevant libraries:** Django, DRF, FastAPI, Pandas, Seaborn, Matplotlib, Numpy, Scipy, Scikit-learn , Visualization Toolkit (VTK), OpenCV, PyQt5, NodeGraphQT, Selenium
- **Database:** MySql, SQL, Redis
- **Other:** Linux, git

Academic Projects

Morabaraba is a strategic game where two players aim to block and eliminate their opponent's pieces while preventing them from achieving three remaining pieces

- Designing and implementing various components of the Morabaraba game, including defining the game rules
- Implementing the Minimax algorithm to create a Morabaraba game robot capable of competing with human players
- Implementing the graphical user interface (GUI) of the game using the PySide6 library in Python

Imaginary Store is an online store project implemented using the Django Rest Framework
- Using the Redis database as a cache
- Automatic evaluation of stock performance and reporting

Work Experience

TECVICO   **Vancouver, Canada**
Medical Image Visualization Software (Remote)   July 2023 - April 2024

- Created a Python-based medical analysis software focusing on user-friendliness and user experience
- Designed and implemented a workflow user interface for bioinformatics analysis and processing using the Qt framework
- Worked with a team of engineers to integrate various machine learning algorithms in to the workflow
- Designed and integrated a medical image visualizer using VTK
- Integrated multiple visualization tools and pipelines such as Triangulation, Colormaps, image Thresholding and interactive Segmentation

Artificial Intelligence Rayvarz   **Tehran, Iran**
Python Developer   September 2020 - February 2021

- Contribution to the development of a Python-based application that manages client devices under the supervision of a central system (server)

- Designing and developing software with the aim of facilitating communication and coordination between client devices and the server
- Implementing communication protocols for sending and receiving commands and data between client devices and the server
- Testing and evaluating the software to ensure its proper functionality and stability under various conditions
- Building a graphical panel on the server to manage the clients

Artificial Intelligence Rayvarz   **Tehran, Iran**
Python Programming Internship   March 2020 - September 2020

- Designing and implementing crawling bots for platforms such as LinkedIn, Instagram, Digikala, and Divar
- Experience in using Chronoscan software, which uses OCR technology, to categorize a significant volume of documents using identification methods and text extraction from images, as well as implementing custom rules and algorithms for document processing