Sepideh Tajik

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| |  | | --- | | * **Email address:** sepidetajik@yahoo.com | | * **Phone number:** (+98)921-346-4409 | |  | |

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| |  | | --- | | **EDUCATION** |   **M.Sc. in Information Technology *Sep 2021 – Sep 2024***  **Amirkabir University of Technology (Tehran Polytechnique) Tehran, Iran**  **Overall GPA: 17.41/20 (87.05/100)**  Important Courses: | | | | |
| * Advanced data base | 19/20 | * Data analytics | 17.5/20 |
| * Data mining | 18.75/20 | * Digital image processing | 17.25/20 |
| **Final project:**  Machine Learning for an optimal IOT control in smart homes |  |  |  |
| **B.Sc. in Computer Engineering *Sep 2016 – July 2021***  Khajeh Nasir University of Technology, Tehran, Iran  **Final project:**  Implementing an E-learning PWA with interactive approach  Grade achieved: 19.5/20  **High School Diploma of Mathematics at Farzanegan (Sampad) *Sep 2013 – July 2017*** | | | |

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**Sepideh Tajik,** Alireza Rezvanian, (Under Preparation). “An Improved Cellular Edge Detection Technique Integrating Cellular Learning Automata And Conventional Methods.”

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**Backend Development:** ASP.NET CoreC#, RESTful API Development, Microservices, MediatR, Clean Architecture, Dependency Injection (DI), Identity Server, JWT Authentication, Django, Django ORM, Django REST Framework

**Databases:** SQL Server , Sqlite, Database Design, Query Optimization

**Frontend Development:** HTML/CSS, Vue.js, React.js, Axios

**AI & Machine Learning:** Python, TensorFlow, scikit-learn, Computer Vision, NLP, Data Preprocessing, OpenCV

**Programming Languages:** C#, Python, JavaScript

**Other Tools:** Git, Swagger/OpenAPI, Redis, RabbitMQ

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**Deep Learning Specialization** – Coursera (Andrew Ng, DeepLearning.AI)

**Develop Web Applications with ASP.NET Core** – Microsoft Learn

**SQL for Data Science** – Coursera (UC Davis)

**Data Science and Machine Learning Bootcamp with Python** – Udemy

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| * **Dr. Saeed Sharifian Khortoomi**   Associate Professor  Department of Electrical Engineering  Amirkabir University of Technology  sharifian\_s@aut.ac.ir   * **Dr. Amir Khorsandi**   Assistant Professor  Department of Electrical Engineering  Amirkabir University of Technology  [a\_khorsandi@aut.ac.ir](mailto:a_khorsandi@aut.ac.ir) | * **Dr. Alireza Rezvanian**   Assistant Professor  Department of Computer Engineering  University of Science and Culture  [rezavian@usc.ac.ir](mailto:rezavian@usc.ac.ir) |

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I'm a curious and motivated developer with a Master's degree in IT. I enjoy tackling new challenges and finding creative solutions to problems. I'm always eager to learn new technologies and improve my skills, and I love working on projects that push me to grow. Whether it's building scalable APIs or exploring machine learning technichs to real-life problems, I’m passionate about creating solutions that make a difference.