



# Mohammadreza Sharifkhani

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## About me

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Motivated Computer Science graduate with over three years of front-end development experience and strong academic background. Skilled in JavaScript, React, and database systems, with teaching experience at the university level. Fluent in English (IELTS 7.0) and passionate about machine learning and intelligent software systems.

## Education & Training

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**Bachelor of Science in Computer Science** | Islamic Azad University, Science & Research Branch | 23/09/2018 - 06/07/2023 | Tehran, Iran

Achieved strong academic results in key courses including Data Structures and Algorithms, Database Systems, Artificial Intelligence, and Mathematical Logic.

Served as a Teaching Assistant for the Database Systems course, supporting students in database modeling, SQL query optimization, and project implementation.

Presented academic talks and participated in university-level conferences on cryptographic algorithms and applications of the Rust programming language in artificial intelligence, strengthening research and communication skills

Completed a Final Bachelor Project on developing a Full-Stack Blogging Platform using Node.js, GraphQL, and React, focusing on modular architecture, API integration, and secure authentication.

Final grade: 16.52 / 20 (3.22/4) | Level in EQF 6

## Research Interests

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### Research Interests

Artificial Intelligence and Machine Learning | Intelligent and Adaptive Software Systems | Deep Learning Applications in System Optimization | Human–AI Interaction and Cognitive Computing | Explainable AI and Model Interpretability | Data-Driven Decision Support and Predictive Analytics

## Work experience

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**Frontend Developer** | Didenegar Hoosh No | 25/06/2023 - Current | Tehran, Iran

Developed the front end of a large-scale Video Management System (VMS) using React and Ant Design, creating an intuitive dashboard for real-time CCTV monitoring.

Integrated WebRTC and HLS/MSE for live and playback streaming.

Implemented AI-based modules for face and license-plate recognition with automated alerts and analytics visualization.

Collaborated with backend engineers via REST APIs and WebSocket, ensuring synchronized video and analytics workflows.

**Front-End Developer** | Hamiket | 04/02/2023 - 05/06/2023 | Tehran, Iran

Built and maintained the admin dashboard, seller portal, and main website using React and Next.js.

## Projects

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**Full-Stack Blog Platform using React and GraphQL** | 01/12/2021 - 04/05/2022

Designed and deployed a scalable blogging system enabling categorized content browsing and real-time interaction. Emphasized responsive UI, API performance, and secure user authentication.

<https://www.amirsiadat.com/>

<https://github.com/mosharif30/liarasiadatblog>

### Portfolio Website for a Graphic Designer | 06/07/2022 - 13/10/2022

Developed a responsive, SEO-optimized portfolio platform featuring dynamic routing, image optimization, and component-based design.

<https://mahshidasoudehkhah.com/>

<https://github.com/mosharif30/MahshidPortfolio>

### Skills

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Programming | JavaScript | TypeScript | Python

Frontend | Redux | React.js | Next.js | React Query

Backend | Node.js | REST APIs | GraphQL

Database | MongoDB | SQL(MySQL & PostgreSQL)

Version Control | Git | GitHub

### Language Skills

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Mother tongue(s): Persian

	Understanding		Speaking		Writing
	Listening	Reading	Spoken production	Spoken interaction	
English	C2	C1	C1	C1	B2

### Certifications

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#### Backend Development | Udemy | online

Comprehensive training in server-side logic, MongoDB integration, RESTful API design, and scalable app deployment.

#### Frontend Development | Udemy | online | 14/09/2022

Comprehensive training in modern frontend technologies including React.js, Next.js, and TypeScript. Covered component-based architecture, state management (Redux, React Query), responsive UI design with Material-UI and Tailwind, and performance optimization for scalable web applications.

### Honours and Awards

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#### Best Developer Award | School Recognition | 15/11/2017

#### Admission to NODET (National Organization for Development of Exceptional Talents) | 01/08/2014

### Hobbies and Interests

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#### Philosophy

Reading about Continental Philosophy (Kant, Hegel, Heidegger) and exploring links between philosophy, science, and AI.

#### Tennis