

Profile Summary

Full-stack developer and AI programmer with 4+ years of experience building scalable software and hardware solutions for real-time image processing and city automation. Proven track record of managing high-impact projects, optimizing machine learning models, and integrating complex systems across multiple organizations.

Education

Bachelor of Network and Software

Institute/University: Sajjad Industrial University  
(Higher Education Institute)  
Mashhad, Razavi Khorasan, Iran  
2024 - Present

Expected Graduation Date: June 2026

Expected GPA: 16+

Associate in Network and Software

Institute/University: Sajjad Industrial University  
(Higher Education Institute)  
Mashhad, Razavi Khorasan, Iran  
2020 - 2023

Skills

C# / .NET (WPF, WinForms, ASP.NET Core, Blazor, MAUI)

Entity Framework / SQL Server / SQLite

ML.NET / OpenCV / YOLO / Image Processing / Custom

AI/ML Model Development

JavaScript

OpenCV / Image Processing / Custom ML Models

API Integration / Microservices

REST APIs / Microservices / Multithreading

Git / GitHub / Version Control

IP Cameras / RFID / POS Systems

Language

English : C1

Work Experience

.Net Programmer

Nik Andisheh Payamehr (PoolTicket)  
Mashhad, Razavi Khorasan, Iran  
December 2024 - April 2025

Tasks and Achievements

- Implementation of WPF systems using DevExpress
- Connecting software with RFID, POS, Face Recognition devices

Senior AI Programmer

Tiva Sanaat  
Mashhad, Razavi Khorasan, Iran  
April 2021 - December 2024

Tasks and Achievements

- Development and implementation of deep learning models for image recognition and classification in several large ongoing projects at Mashhad Traffic Organization.
- Optimization of existing algorithms to reduce processing time and increase result accuracy in AI applications.
- Research and development in designing and implementing machine learning projects in the big data field with various models and training the company's custom models.
- Creating and managing software databases and working with ORM classes and EF framework.
- Executing large projects independently.

Game designer

White Designers  
Mashhad, Razavi Khorasan, Iran  
June 2020 - December 2020

Tasks and Achievements

Unity, Blender, Maya

- Contributed to team-based game prototyping, asset creation, and Unity programming.
- Gained broad exposure to the game development pipeline, rapid prototyping, and cross-disciplinary teamwork.

Projects

Gate Access Manager

For: Mes Sangun Copper Mine Tabriz  
November 2024



C#, WPF, SQL Server, Entity Framework, Yolov4

A robust vehicle access system for secure gate management, advanced filtering, and record handling.

- Engineered normalized database models for complex request rules and dynamic validation.
- Independently designed and implemented software and database layers for high reliability.

The systems used in this project included the Yolo AI model and custom object tracking algorithms, implemented with EF structure on the ORM database.

## Social Network

-  Deviman
-  Deviman44

### SpeedCam Dispatcher

For: Mashhad Traffic Organization

August 2022

**C#, YOLOv4, .NET, Windows Service, YOLOv4**

A low-resource real-time streaming suite for 120+ traffic cameras. Developed image compression, smart motion detection, and YOLO-based vehicle detection.

Optimized for CPU-only environments using C++ and background services in .NET.

- Customized darknet-based object detection for CPU-only devices, achieving 10FPS on mid-tier hardware.
- Built and optimized detection and transmission modules, pioneering embedded AI deployment for traffic enforcement.

### Portfolio Website

June 2025

**ASP.NET Core, Entity Framework, SQL Server**

Full-stack portfolio website demonstrating web dev proficiency and dynamic content integration.

- Led design and development from database and backend logic to frontend UI/UX and security/auth features.
- Implemented efficient, scalable data operations and client-side caching for optimal performance.

Link: [Deviman.ir](https://deviman.ir)

### Mobile License Plate Readers for Traffic Police (IT)

For: IT of Khorasan Razavi Province

December 2022

**C#, WinForms, SQLite**

Mobile violation reporting tool for patrol vehicles (dual camera, offline, SIM-network).

- Developed offline data caching and mobile VSD extension for field police use.
- Integrated robust data transmission and mobile workflow logic.

### Vehicle Classifier Engine

For: Tiva

February 2023

**C#, ML.NET**

Custom ML model for real-time identification of 140+ vehicle types across traffic networks.

- Built scalable, semi-supervised training pipeline with example feedback loop.
- Led dataset creation and model deployment for large-scale analytics.

### Image Transmitter

For: Tiva

June 2022

**C#, .NET, SQLite**

Headless service that uploads plate snapshots and vehicle data to remote ASP.NET panels. Includes a custom watchdog to monitor stability and handle reconnection, retries, and encryption. Built using .NET background services.

- Ensured error-proof transmission and robust log management, including local queuing and JSON encryption.

### Auto-Updater for Remote Clients

For: Tiva

August 2022

**C#, Windows Services**

Lightweight updater app for safely pushing new versions of core traffic systems. Features rollback, version checks, and remote configurations. Built in WPF with C# and batch scripting fallback. Tools and services for city-wide camera setup, mapping, and maintenance.

- Developed calibration modules for remote upgrade and detection synchronization.
- Designed user-friendly interfaces and centralized maintenance utilities.