

ALI HAMIDI

Date Of Birth
01/15/2001

Phone
+98-936-703-0828

Email
official.alihamidi@gmail.com

Education

Master of AI Engineering
2024 - 2026 **QIAU**

Bachelor of computer Engineering (Software)
2020 - 2024 **QIAU**

Expertises

Python Advanced
C/C++ Advanced
JavaScript Advanced
JAVA Mid-level
Artificial intelligence
Machine Learning/Deep Learning
TensorFlow/Keras/numpy/Pandas
OpenCV/Yolo/CNN
Computer vision/Image Processing
Web Design(Html/Css/JS)
Django Advanced/Flask/React/
Ajax/Bootstrap/Sass/jQuery
NodeJs/Docker/Redis/
RestApi/FastApi/
SQL/PostgreSql/MongoDB/Sqlite/
Desktop application
Android application
Pyqt5/Tkinter/QT5

Languages

Persian (Native or Bilingual)
English (Professional working)
Turkish(Limited Working)
Arabic(Limited Working)

website Telegram

Linkedin WhatsApp

ALI HAMIDI

Research and Development
Software developer

About me:
Proven ability to deliver projects on time while applying innovative solutions. Passionate Master's student in Computer Engineering specializing in Artificial Intelligence, with extensive programming skills across Python, Java, JavaScript, C++, and other technologies.
Experienced in diverse technological domains, from web and software development to machine learning algorithm implementation, I am always passionate about programming challenges and eager to learn new methodologies. Additionally, I have received a permanent exemption from military service, allowing me to focus entirely on my professional and academic growth.

Experience

TOSAN TECHNO Smart Innovation

At TOSAN TECHNO, I work as an R&D Expert, focusing on the development and optimization of operating systems for Android-based and Linux-based POS terminals. My responsibilities include implementing new features, testing and validating system performance, and developing test applications when required.
Additionally, I have been involved in establishing and commissioning MES (Manufacturing Execution System)-based production lines for banking POS terminals, including setting up production lines for newly developed products. My contributions include integrating software systems into manufacturing processes, implementing production monitoring solutions, optimizing workflows, and supporting the launch of new products into production.
This role allows me to contribute to both software development and industrial automation, enhancing the reliability, efficiency, and quality of POS terminal products while supporting the transition of new products from development to manufacturing.
Position: R&D Expert
Duration: December 2024 – Present

Qazvin Science and Technology Park

Description: As part of a dynamic team, I have been working on software and web development projects at Qazvin Science and Technology Park. My responsibilities include designing, developing, and delivering innovative solutions, negotiating contracts with companies, and managing projects remotely. This role has enhanced my skills in teamwork, project management, and developing skills.
Position: Python and Web Developer
Duration: May 2023 to February 2025 (1 years and 9 months)

SYNTECH Technology and Innovation Center

Description: The SYNTECH Technology and Innovation Center, located at Qazvin Azad University, focuses on projects at the intersection of robotics, mechanics, artificial intelligence, software development, and design. As a software engineer, I am involved in developing innovative solutions in various technology areas.
Position: Python Developer
Duration: January 2021 to October 2024 (3 years and 9 months)

Telecommunications Company of Iran (TCI)

Description: Telecommunications Company of Iran (TCI) is the main fixed-line operator in Iran, providing fixed-line, DSL, and voice services. As an intern, I will gain hands-on experience in developing with Django for employee system management.
Position: Django Developer internship
Duration: June 2023 to September 2023 (4 months)

Certifications

Supervised Machine Learning
DeepLearning.ai

Unsupervised,Recommenders,ReinforcementLearning
DeepLearning.ai

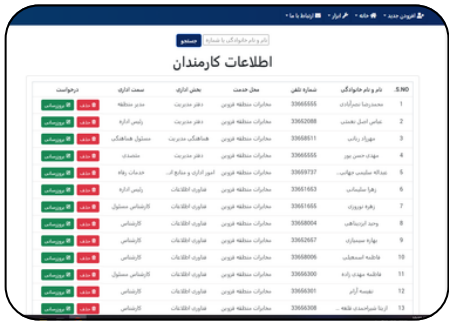
Deep Learning with PyTorch : Image Segmentation
Coursera

Python Intermediate
Sololearn

Javascript Intermediate
Sololearn

Projects

Employee Information Management System
Employee Management System is a web-based application built using Django, HTML, CSS, API, and SQLite3 that allows users to manage employee information effectively. The system provides features to add, update, and delete employee records, as well as search to find specific employees based on various criteria.
Sold to: Telecommunications Company of Iran (TCI),
Skills: Html,Css,JS,Django,RestApi,Sqlite3



Mezon Sezin – E-commerce Platform
Mezon Sezin is a full-featured e-commerce web application developed using Django and Django REST Framework, designed for selling women's clothing and fashion products. The platform includes product and variant management, inventory tracking, mobile number authentication using OTP, shopping cart, order management, payment integration, and shipping services. It features a custom REST API architecture and an administration panel for managing store operations.
Live Project: https://mezonsezin.com
Skills: Python, Django, Django REST Framework, MySQL, Redis, Celery, REST API, JavaScript, HTML, CSS, Docker, Nginx



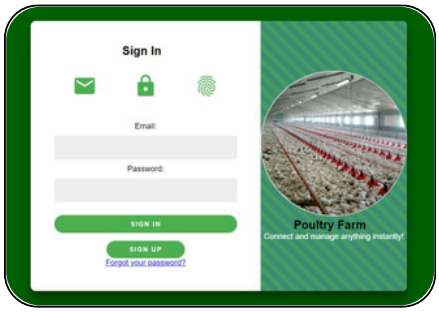
Iranian car license plate recognition
We have developed an advanced model with 99% accuracy, trained on a dataset of 30,000 images. Both the web and desktop versions integrate this model. In addition, the system has an intelligent voice assistant and records detailed information about the arrival and departure times of each car, including the color, type, and brand of the vehicle.
Company: Alumtech Company, Traffic Police
Skills:Html,Css,JS,ComputerVision,Flask,Classification,Yolo



Smart Poultry Farm Project

This project, assigned by a professor at Azad University of Qazvin, focuses on developing a web application to manage IoT-equipped poultry farms. The system enables intelligent monitoring and control of sensors and actuators, allowing users to oversee real-time conditions like temperature, humidity, and air quality, and make necessary adjustments remotely.

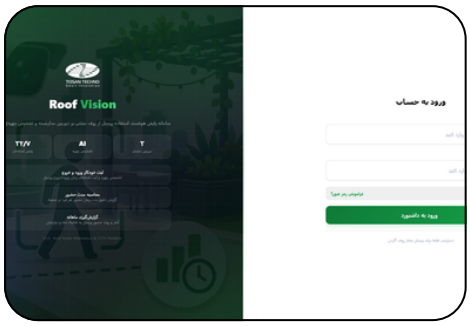
Skills:Html,Css,JS,bootstrap,FPGA,Django,Sqlite3,RestApi



AI-Based Employee Face Recognition & Attendance Monitoring System

Developed an AI-powered employee monitoring system using InsightFace and CCTV cameras to automatically recognize employees entering and leaving the company's rooftop garden and restaurant. The system records individual attendance timestamps and provides monthly and yearly attendance statistics through a Flask-based web dashboard. Implemented role-based face classification to distinguish managers and supervisors from regular employees, enabling more accurate analysis of employees' time spent in these facilities.

Skills: Python, InsightFace, Face Recognition, Computer Vision, Deep Learning, OpenCV, Flask, CCTV Integration, Data Analytics, HTML, CSS, JavaScript

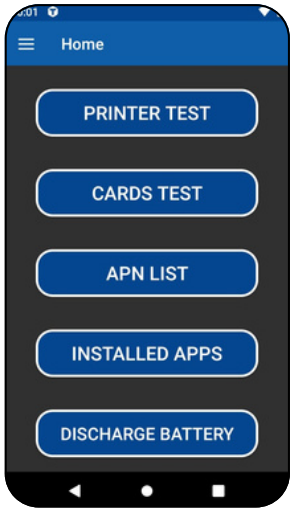


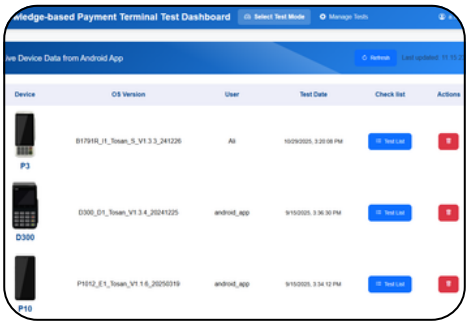
Android POS Hardware Diagnostic & Testing System

Developed an Android application using Java for Tosan Techno POS terminals to test and diagnose all hardware modules through the POS SDK. The application retrieves and displays comprehensive hardware and software information using device APIs. Additionally, developed a Flask-based web application serving as a centralized database and testing dashboard, enabling test results from individual POS terminals to be stored, monitored, and reviewed.

Company: Tosan Techno

Skills: Java, Android Development, POS SDK, Android APIs, Python, Flask, REST API, HTML, CSS, Hardware Diagnostics, Embedded Systems





Techno Vision – AI-Powered Workforce Productivity Monitoring System

Developed an AI-powered computer vision system to monitor workforce productivity and evaluate employee performance across factory production lines and company facilities. The system monitors approximately 300 employees with minimal computational resource consumption through optimized face recognition and computer vision models. It analyzes employees' productive presence at their assigned workstations, compliance with company dress codes and safety attire, and excessive conversations that may affect productivity. The collected data is processed to generate performance metrics and support monthly employee bonus calculations based on predefined productivity criteria.

Company: Tosan Techno

Skills: Python, InsightFace, Face Recognition, Computer Vision, Deep Learning, OpenCV, Flask, CCTV Integration, Data Analytics, HTML, CSS, JavaScript, gRPC, WebRTC, RTSP Protocol

