Moein Moatali

PROGRAMMER

Details

Mashhad
Iran, Islamic Republic of
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DATE OF BIRTH
2006

Links

GitHub

Linkedin

Skills

Python

C++

(HTML + CSS + JS)

OpenCV

Pillow

TensorFlow

Keras

Numpy

Pandas

YOLO

OCR

Linux(Ubuntu)

APIs(FastAPI)

CNNs

SQL (CRUD)

Postgres

SQLite

Languages

English

Persian

Profile

Hello every body, I am Moein Moatali a I am Moin Mo'attali, a Computer Engineering student with a background in Network and Software from my high school diploma. Passionate about both teaching and learning, I have over a year of experience teaching programming languages. I am eager to join technology development teams where I can contribute through collaboration, support others, and thrive in team-oriented environments.

Employment History

Programming Teacher, Abarkelas Academy, Mashhad

NOV 2024 — PRESENT

Programming Instructor — Abarkelas Academy

- Teaching Python programming to beginner and intermediate students.
- Conducting classes on image processing, data analysis, artificial intelligence, and C++.
- Designing practical exercises and projects to improve students' problem-solving skills.
- Guiding students to understand programming concepts and apply them in real-world scenarios.

Iranian License Plate, Personal Projects

License Plate (Detection – Recognition – Identification – Verification)

- **Detection:** Detecting the license plate region from vehicle images.
- **Recognition:** Extracting and recognizing the characters on the license plate using image processing and AI.
- **Identification:** Matching the recognized plate number with stored vehicle data.
- **Verification:** Checking the identified plate in the database for validation.

Face Identity Verification, Personal Projects

Face Identity Verification

- **Detection:** Locating and extracting faces from images using computer vision techniques.
- **Feature Extraction:** Converting facial images into numerical feature vectors using deep learning models.
- **Matching:** Comparing extracted features with stored face data to determine identity similarity.
- **Verification:** Confirming the person's identity by checking the similarity threshold and database records.el for person identification

Image OCR, Personal Projects

- Developed a robust Optical Character Recognition **(OCR)** model for extracting text from images using the Deep Text Recognition Benchmark **(DTRB)** repository.
- Implemented and fine-tuned the architecture to accurately recognize text under varying conditions (fonts, backgrounds, orientations).
- Achieved high accuracy on benchmark datasets, demonstrating the model's effectiveness for real-world document and scene text applications.

Object Detection with YOLOv8, Personal Projects

- Developed a real-time object detection system using **YOLOv8** (You Only Look Once) to identify and localize objects in images and video streams.
- Custom-trained a model on a specific dataset, achieving high precision and recall in detecting target objects.

- Implemented preprocessing, annotation, and augmentation pipelines to optimize model performance and robustness in varied conditions.

Education

Bachelor of Science in Computer Engineering (In Progress), at Toos University, Mashhad

SEPT 2024 — PRESENT