BENYAMIN ZOJAJI

AI Engineer

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Github

Stack overflow

Linkedin

Location
Mashhad, Iran

About Me

Bachelor of Computer Engineering at Sadjad University of Technology.
Possesses solid knowledge of machine learning, image processing, and deep learning concepts, and is capable of translating the requirements into programs using Python. Bringing forth an in-depth understanding of printing and strong technical abilities relating to working with the machines used during production. Capable of working in a team and having exceptional organizational as well as communication skills.

Skills

- Python
- Machine Learning
- Deep Learning
- Data Analysis
- Docker
- Streamlit
- PyQT
- PyTorch
- TensorFlow
- Keras
- FastAPI
- Selenium
- Git

Experience

Machine Learning Engineer   2022
ParsTech AI, Mashhad

Worked with teams on several AI projects from Belgium and Canada and developed different AI products.

- **SensoBody:** Measure human body weight, volume, and height with deep learning methods.
- **Pressure Ulcer:** Preventing bedsores for patients in hospital beds using several sensors that mirror body weight over time using deep learning methods.
- **License plate recognizer:** Detect and recognize Iranian license plates and generate costume license plates that help model for the training phase.
- **etc.**

Freelancer   2023 - 2024

Working on serious projects since 2023 remotely in Tehran and Mashhad along with learning new skills

- **Ferdowsi Big Mall project:** powerful application written in Python to read power meters and create bills with variety and any needs.
- **Royal Design backend project:** Royal Design is a company based in Australia, since I like challenges I accepted to write the backend of their site with Django and create robust APIs for any needs.
- **etc.**

Education

Bachelor of Computer Engineer   2018 - 2023
Sadjad University of Technology, Mashhad

Courses

- Python
  Kaggle | Aug, 2022
- Python
  Jahad Daneshgahi of Mashhad | 2018
- Python for Data Science
  Sololearn | Jun, 2021
- Advanced Python Programming
  Maktabkhooneh | Aug, 2021
- CEH (Certified Ethical Hacker)
  Maktabkhooneh | Apr, 2021
- SQL
  Sololearn | Jun, 2021
- Machine Learning
  Sololearn | Feb, 2021
- Machine Learning
  Sololearn | Feb, 2021
- Machine Learning with Python
  Maktabkhooneh | Feb, 2022

Article

- Iranian Architectural Styles
  Recognition Using Image
  Processing and Deep Learning
  May 2024 | Dynamics of
  Information Systems. Springer

Mentorship

- Mentor in Python and Artificial
  Intelligence boot camp Hamrah
  Academy ("Hamrahe Aval")
  Feb, 2023

TV interview

- Interview with Channel 1 (IRIB 1)
  about my bachelor's thesis, Mask
  Detection using Deep Learning.
  (Link)
  Oct, 2022

Projects

- **Ghabzyar Application | Ferdowsi Big Mall**   2023
  I wrote this project for Ferdowsi Mall 2 of Mashhad. The goal of this
  project was to automatically read the electricity meter data of the
  whole mall every 24 hours by sending signals to power meters, I
  used Socket library for this job and cleansed the data to obtain
  useful information and store them in the database that I prefer
  SQLite3 for many reasons. In addition, I designed a graphical user
  interface(GUI) with PyQT that can be used to calculate the invoice
  and issue it, as well as perform other operations.

- **Face Mask Detection**   2022
  Face Mask Detection with transfer learning and fine-tuning deep
  neural network model using TensorFlow2.0 Keras, PySide6, and
  OpenCV. GitHub repo

- **DCGAN**   2022
  Implementing GAN(Generative Adversarial Network) for human
  face generating and pix2pix using U-net architecture.

- **Callifornia University web scrapping**   2022
  Web scraping project to get course information through the
  California University website using the Selenium framework. I wrote
  this code fully object-oriented. GitHub repo

- **Dice Recognition**   2021
  Image processing 6-sided Dice Recognition using OpenCV as a
  main library. GitHub repo

- **Face Recognition**   2022
  Face Recognition image classification with Keras plus designed
  CNN model. GitHub repo

- **Time Warp Scan (TikTok filter)**   2021
  Famous Time Warp Scan filter in TikTok! I wrote in Python using
  OpenCV and NumPy library. GitHub repo

- **etc.** (check my Github)

References

- Sajjad Aemmi from ParsTech AI
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- Fatemeh Majdi from Farabar Aria
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