Taha Khamessi

+21696484521 /KhamessiTaha in/taha-khamessi-396aba1a3/ taha.khamessi@gmail.com

Education

The Higher Institute of Information Technologies and Communication (ISTIC) 2022 - 2024
Bachelor's Degree in Computer Science

Preparatory Institute for Engineering Studies of Nabeul (IPEIN) 2019 - 2022
Mathematics and Physics

High School 2019
Baccalaureate degree in Mathematics

Skills

Languages: Python, Java, PL/SQL, JavaScript/TypeScript, MATLAB, HTML/CSS, Dart, Bash, PHP, C++

Tools: Git/GitHub, Unix Shell, Eclipse JEE, VS Code, PyCharm, LaTeX
, Express.js, Flutter, Node-RED, MySQL, MongoDB, Docker, Android Studio, Oracle VM VirtualBox, VMware Workstation, YOLOv8, YOLOv5, Darknet, Angular, Bootstrap, RESTful APIs, Postman, Spring

Libraries: TensorFlow, PyTorch, Tensoflow Lite, Keras, Scikit-learn, pandas, NumPy, Matplotlib, Seaborn, OpenCV, SORT, EasyOCR, SciPy

Projects

Car Vision (End of Study Project) | *Dart, Python, TensorFlow, TensorFlow Lite, Keras, OpenCV, Flutter* May. 2024
- Designed a reliable deep neural network architecture capable of recognizing and classifying cars based on images and accurately predicting their prices.
- Trained the neural network model on the large scale dataset "DVM-CAR 2.0"
- Developed a mobile application using Flutter,NodeJS and MongoDB and integrated the deep learning model into the app.

ALPR | *Darknet/YOLO, Pytorch, pandas, OpenCV, SORT, EasyOCRn, numpy* Dec. 2023
- Developed models to accurately detect the presence and location of license plates in images or video frames.
- Implemented algorithms for recognizing characters on license plates, converting the visual information into machine-readable text.
- Achieved near-real-time processing of images or video streams for rapid and efficient license plate recognition.

PetMatch | *TypeScript, HTML/CSS, Git, VS Code, Node.js, Postman, Angular, MySQL* May. 2023
- Developed a Angular web application for a mini Pet market.
- Delivered back-end system in two versions (PHP and Node.js).

HTRU2 Pulsar Detection | *Python, TensorFlow, Numpy, VS Code* Nov. 2021
- Develop machine learning models capable of automatically detecting pulsar signals in the radio telescope data.
- Training the models on labeled datasets from the UCI Machine Learning Repository containing examples of both pulsar and non-pulsar signals .

Experience

Software Developer Intern | *Maghreb Code Multimedia* Feb. 2024 - May. 2024
Internship in software development and mobile applications

Network Security Intern | *Agence Tunisienne de la Formation Professionnelle* Jul. 2023 - Aug. 2023
Internship in network security and systems administration

Certificates

Machine Learning Specialization (DeepLearning.AI) 2024

Python for Data Science, AI & Development (IBM) 2020

Python Data Structures (University of Michigan) 2020

Data-driven Astronomy (The University of Sydney) 2020