FEDY BEN HASSOUNA

AI ENGINEER

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Cité Olympique , Tunis

SKILLS

Languages

Python, SQL, C , C++ , assembly x86

Technologies

Numpy, Pandas, Tensorflow, scikit-learn, Jupyter, Keras, OpenCV, NLP, Tkinter, ML, PyTorch, PyCharm, NLTK , SpaCy , regex , HuggingFace , Pipeline , BeautifulSoup

Spoken Languages

English (Conversational), Arabic (Native) , Frensh (conversational)

EDUCATION

Engineering in Automation, Embedded Software, and Industrial IT

INSAT: National Institute of Applied Sciences and Technology

From 2021

Technical Sciences Baccalaureate degree

Monastir Pionner School

2020-2021 (18.07/20)

CERTIFICATIONS

Deep Learning for Computer Vision with Python and TensorFlow

Building Chatbots with Python , DataCamp

Introduction to Natural Language Processing in Python , DataCamp

PROFILE

Currently a fourth-year student in the Industrial IT and Automation engineering program at INSAT and an AI developer, I am looking for a part time job as AI engineer.

WORK EXPERIENCE

Machine Learning Intern

Digimytch,Tunis 08/2024

- Developed a machine learning model to detect defects in wind turbines by analyzing sensor data and performing data preprocessing. The objective of this project is :
  - - to identify early signs of failure, enabling predictive maintenance.
  - - to reduce downtime, lower maintenance costs
  - - to extend turbine lifespan, ensuring optimal performance.

Computer Vision Intern

MUST UNIVERISTY, Tunis 06/2024-08/2024

- Developed a deep learning model for the detection of cork oak trees using aerial imagery and advanced segmentation techniques. The objective of this project was:
  - - To accurately detect and estimate the biomass of cork oak trees for better forest management and conservation efforts.
  - - To optimize the model using advanced architectures like Mask R-CNN, leading to more precise detection and handling of complex scenarios.

PERSONNAL ACHIEVEMENTS

1st place at the HACK-E Hackathon with DHAWWINI

Tunis Science City 04/2024

DHAWWINI: An innovative energy solution combining a mobile solar panel and an AI-controlled turbine to meet the energy needs of unelectrified urban areas, offering a sustainable and efficient approach.

Dataquest Hackathon Participant

INSAT 02/2024

Ranked 11th out of 60+ teams in solving machine learning and deep learning challenges, showcasing strong problem-solving skills and technical expertise in a collaborative team environment.

PERSONNAL PROJECTS

AI Blog Post Summarization with Web Scraping

skills : HuggingFace Transformers ,BeautifulSoup , Pipeline

Real vs. Fake News Detection

skills : NLTK , tqdm , CountVectorizer, TfidfVectorizer , naivebayes

Handwritten Digit Recognition

skills :Tensorflow , Tkinter , PIL