EYA HARBAOUI

Computer Science Engineer specializing in Artificial Intelligence, seeking opportunities in this field.

@ eya.harbaoui@ensi-uma.tn   📞 +21696386045   📍 Ariana, Tunisia   in Eya Harbaoui   ○ eya-harbaoui

PROFESSIONAL EXPERIENCE

Sofrecom Tunisia : Final Year Engineering Intern

📅 Feb 2023 - July 2024   📍 Tunisia, On Site

- Set up DNS server architecture on RedHat Linux.
- Developed a web interface for DNS server testing.
- Implemented real-time DNS monitoring system.
- Developed Machine learning model for DNS attack detection.
- **Keywords:** DNS, RedHat Linux, Python, React, Flask, SQL, Zabbix, Machine Learning, Scrum.

Axefinance : Artificial Intelligence Research Intern

📅 Jul 2023 - Sep 2023   📍 Tunisia, On Site

- Researched time series models for borrower behavior forecasting.
- Implemented and compared predictive models using Python.
- **Keywords:** Python, Time Series, Deep Learning, Statsmodels, LLM.

Axefinance : Artificial Intelligence Intern

📅 Nov 2022 - May 2023   📍 Tunisia, Hybrid

- Collected financial articles via web scraping.
- Preprocessed and cleaned data.
- Fine-tuned "MarkupLM" for named entity recognition and XPath extraction.
- Integrated the model into a web interface.
- **Keywords:** Web Scraping, NLP, Python, LLM, ReactJS, MongoDB, FastAPI, CRISP-DM.

Mosofty : Web Development Intern

📅 Jul 2022 - Aug 2022   📍 Remote

- Developed a website for a law firm using PERN stack.
- Deployed the website on Heroku.
- **Keywords:** PostgreSQL, Express, React, Node.js, Heroku.

PROJECTS

Reinforcement Learning on Cartpole

📅 Jan 2024

- Implemented and compared RL algorithms on Cartpole.
- Optimized agent performance using Deep RL techniques.
- **Keywords:** Gymnasium, Deep Reinforcement Learning.

Plant Disease Detection System

📅 Nov 2023

- Developed a CNN-based system for plant disease detection.
- **Keywords:** Computer Vision, CNN, Deep Learning.

Mental Health Detection from Social Media

📅 Oct 2023

- Built an NLP model to analyze social media text for mental health detection.
- **Keywords:** Python, NLP, NLTK, Spacy, scikit-learn, BERT, sentenceTransformer.

EDUCATION

Computer Science Engineering Degree: Artificial Intelligence

National School of Computer Science (ENSI)

📅 Sept 2021-Present   📍 Manouba, Tunisia

Preparatory Program in Mathematics and Physics

Preparatory Institute for Engineering Studies (IPEIEM)

📅 Sept 2019-Jul 2021   📍 Tunis, Tunisia

TECHNICAL SKILLS

- **Programming:** Python, C/C++
- **Machine learning and Data Science**: Pandas, NumPy, Matplotlib, Scikit-Learn, TensorFlow, PyTorch, NLTK, Spacy, LLMs, reinforcement learning, Time series.
- **Web Development:** MERN Stack, PERN Stack
- **Databases:** PostgreSQL, MongoDB
- **Big Data:** Hadoop, Spark
- **Operating Systems:** Linux (RedHat , Ubuntu)
- **Project Management:** Git/GitHub, Jira, Scrum, CRISP-DM

SOFT SKILLS

- Languages
  - Arabic: Native
  - French: Advanced
  - English: Intermediate
- Creativity
- Problem Solving
- Ability to Work Under Pressure

ASSOCIATIVE LIFE

CPC ENSI

Participation in ENSI Programming Challenge Competition

📅 Nov 2022   📍 Manouba, Tunisia

IEEE ENSI

Participation in the Annual IEEE Xtreme Hackathon

📅 Oct 2022   📍 Manouba, Tunisia

ENSI Robotics Association

Participation in the Organization of Robocup ENSI

📅 Oct 2021   📍 Manouba, Tunisia