OMAR BRADAI

AI Engineer

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PROFILE SUMMARY

As a dedicated and motivated individual, I am deeply passionate about the field of Artificial Intelligence. With a strong academic foundation and a thirst for more experience, I am committed to contributing to the advancement of the industry and its transformative potential.

EDUCATION

National Institute of Applied Science and Technology   *09/2019 – 09/2024*
- University of Carthage, Tunisia
- Degree: Industrial Computing and Automation Engineering, specialized in Data science.

10/2013 – 10/2018

British council, Tunis, Tunisia
- Degree: First Certificate in English (FCE) with a C1 level in English

WORK EXPERIENCE

EmyeHR, Data science engineering intern   *04/2024 - 08/2024*
- Optimized integration between chat **agents** and the Emye bot, focusing on **prompt** quality and cost efficiency.
- Fine-tuned **GPT-3.5** for precise and efficient **SQL** generation tailored to company data.
- Developed an automatic synthetic **data** generating program using GPT.
- Developed **benchmarking** systems to evaluate agent performance and visualize results effectively.
- Conducted **R&D** on **AI-driven** systems for predicting employee behavioral trends and resignation, utilizing **online** and **batch machine learning**, customized for EmyeHR clients' personal data.

Influence Consulting, Machine learning intern   *07/2023 - 09/2023*
- Developed an automatic speech recognition **ai** model **fine tuned** on the Tunisian dialect.
- Created a dataset for the **ASR** model with 1000+ transcriptions and +1h of recordings using multiple data sources.
- **cleaning** and **processing** techniques using **NumPy**, **OpenCV** and **TensorFlow**
- Developed the infrastructure of the web platform for the project using **terraform**, **AWS**, **docker** as well as other tools for **DevOps** such as **bitbucket**.

Tnker, Mobile development intern   *06/2023 - 08/2023*
- Developed a flutter mobile app prototype for voice calling that handles 4 servers simultaneously.
- Integrated the voice calling prototype as a feature in the final product app.

Additional work experience   *2021-2022*
- Automation engineering intern at NATILAIT (Dairy company)
- Network engineering intern at Discovery Informatique

PROFESSIONAL SKILL

- Python / C++ / JavaScript / Flutter
- TensorFlow / NumPy / OpenCV / LLM / ML
- GIT / Azure / AWS / Postgres / Bitbucket

LANGUAGES

- English (C1)
- French (Intermidate)
- Arabic (Native)