Dhaker Ben Rejeb

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SUMMARY

Graduate Software Engineer with two years of hands-on experience in AI and full-stack development.Completed two internships, gaining practical skills in designing and implementing innovative solutions. Passionate about leveraging 0's and 1's to solve real-world problems and eager to contribute to impactful projects and grow within a dynamic team.

WORK EXPERIENCE

Tritux Group, Software Engineer Intern | Tunis, Tunisia
Feb 2024 – Jul 2024

- Trained a transformer model for Tunisian Automatic Speech Recognition, optimizing it for accuracy and performance.
- Implemented the model into a functional system, developing web and mobile applications for user interaction.

AIOTEC, Software and Web Developer | Sfax, Tunisia
Sep 2022 – Jan 2024

- Developed a module for Smart Irrigation System using AI and Metrics through an IoT and edge computing Infrastructure .
- Implemented a web dashboard to display crop metrics and the module status.

SINAPS TEC, Software Developer Intern | Tunis, Tunisia
Feb 2022 – Jul 2022

- Developed a next-generation distributed security information and event management system (SIEM) using open source tools (Wazuh + ELK stack, Splunk, Cortex, TheHive, and Shaffle) to maximize company security and list the product as a SaaS platform.

Education

Master Higher School of Science And Technology Of Hammam Sousse, Artificial Intelligence And Renewable Energies | Sept 2022 – Dec 2024

BS Higher School of Science And Technology Of Hammam Sousse, Computer Science | Sept 2019 – Jul 2022

Projects

Web And Mobile Application: TunisianASR | GitHub⎙ HuggingFace⎙

- Development of an Automatic Speech Recognition (ASR) system using a DNN Transformer model for accurate speech-to-text transcription of the Tunisian dialect.
- Implementation on web and mobile platforms via APIs, offering real-time transcription and support for different Tunisian dialects.
- Tools used: Python, Speechbrain, NumPy, PyTorch, KenLm, Flutter, Dart, Flask, FastAPI, Gradio.

Web Application : Malware Detection | HuggingFace⎙

- Training a malware detection ML model using Random Forest algorithm to check if a given file is a probable malware or not.
- Implementation in a CLI and a Streamlit Web application .
- Tools used: Python, Pandas , NumPy, Sklearn, Streamlit.

Mobile Application: MindCraft | GitHub⎙

- Development of an educational and interactive mobile application as part of a

project supported by UNESCO to empower the education system and school communities in Tunisia.
- Tools used: Flutter, Dart, Firebase

Creative and Modern Website: Bio Dates   Website ↗
- Development of a modern platform designed for top-tier clients showcasing the company, its products, and brands,along with an insightful blog content with a dedicated space for industry insights and direct contact.
- Tools used: HTML, jQuery, Bootstrap, PHP

Mobile Application: iVento   GitHub ↗
- Development of a mobile application designed to connect to a Ventolin inhaler equipped with Bluetooth Low Energy (BLE) technology to track and locate it in addition to other features.
- Tools used: Flutter, Dart, Firebase

SKILLS

Software Development: C, C++, Python, Java.

Web Development: PHP, HTML, CSS, JavaScript, TypeScript, Java, React, NextJS, NodeJS, Django, Flask, Dart.

Mobile Development: React Native, Dart, Flutter.

BlockChain Development: Solidity, Smart Contracts, Hashgraph-Hedera.

Databases: MongoDB, PostgreSQL, MySQL, PL/SQL.

DevOps And Cloud: Microsft Azure, Firebase, Docker, Jenkins, CI/CD, Git, GitHub

CERTIFICATIONS

MongoDB Certified Associate Developer   Link ↗

Hashgraph Developer   Link ↗

GitHub Foundations   Link ↗

LANGUAGES

Arabic : Native   **English:** Highly proficient   **French:** Working Knowledge