Ayoub Zaanouni

IT Student
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Education

development of information systems | Higher Institute of Technological Studies of Sousse
Current
- Graduation year

Class of 2022
- Second Year (Laureat)

Class of 2021
- Information Technology: Common Core

Baccalaureate of Economics and Management | High School Ahmed Noureddine Sousse (Tunisie)

Online Courses

- **CS50p Certificate, Harvard, 2023.** (10 weeks)
- **CS50x Certificate, Harvard, 2022.** (11 weeks)
- **Java Complete Course Certifcate, Udemy**

Work Experience

One Month Internship | Enova Robotics
june 2023
- Successfully developed a mobile app, using React and Ionic, to control a solar panel-cleaning robot.

One Month Internship | MIPS (computer maintenance and after-sales services)
january 2021
- Diagnosed and resolved technical issues for customers.
- Conducted preventive maintenance on computer equipment.
- Tested and ensured the proper functionality of repaired products.
- Offered advisory services to prevent future technical issues.

Skills

- Flask, Python
- Java
- Symfony, PHP
- Linux
- SQL , PL/SQL
- HTML, CSS, JS
- XML, XSD
- .Net
- Git
- UML

Languages

- Arabic
- English
- Frensh

Volunteer Work and Affiliations

Competitive Programming Manager | Google Developer Student Clubs
2022 - 2023
- Organized and led programming events and mentored members.
- Developed a Python script to efficiently manage and classify messy participation forms.

***Member** | Google Developer Student Clubs*
2021 - 2022
- Actively participated in club activities and completed workshops.

Projects

- Built a Tic-Tac-Toe AI project in **Python**, implementing the **Minimax algorithm** to achieve optimal gameplay.

- Built a **React** and **Ionic** mobile app for the P-Solar project, enabling efficient communication with a solar panel cleaning robot via **MQTT**. The app allowed precise path planning and customized cleaning routes, enhancing cleaning efficiency.

- Built "Flappy Dro3," a **Python**-based game inspired by Flappy Bird, utilizing the **Ursina game engine.**

- Teamed up to build 'Quiztopia,' a feature-rich quiz web app using **Symfony**. My focus was on extensive **backend development** with Symfony, ensuring seamless quiz creation, management, and user engagement.

- Built 'Sound Seeker,' a **Chrome extension** designed to enhance the user's browsing experience. This extension detects sounds originating from open tabs and highlights their sources.

- Built 'Note-It,' an advanced Windows text editor, by utilizing **Java**. This resulted in enhanced functionality, including undo/redo support, font and color customization, and PDF printing

- Built a **PHP** web app for streamlined patient called 'Mon-Kine' appointment and physiotherapy management. Features include easy patient bookings, physio schedule management, and admin control. It also offers a contact form for user communication.

Developed the **NutriScan Android application** using **Java**, with a focus on enhancing user experience and nutritional information retrieval.

- Integrated **Open Food Facts AP**I to seamlessly retrieve product information by scanning product barcodes,
- Constructed an administrative panel using **.NET Framework.**
- Enabled efficient product management through **SQL Server.**
- Implemented notification system for automatic updates when products are not found in API.
- Utilized **Microsoft Identity** for secure user authentication and **role-based access control**.