

TALEL GALAI

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Summary

Software Engineering student skilled in full-stack development using Python, JavaScript, React, and NextJs. Experienced in building scalable, high-performance applications and collaborating with cross-functional teams to deliver quality software.

Experience

Software Engineer, Intern

MdWeb

Montplaisir, Tunis

06/2024 - 08/2024

- Addressed a significant performance issue in the chatbot, reducing response time from **36 seconds to 4 seconds** through optimization techniques, resulting in an **89% improvement** that greatly enhanced user experience and operational efficiency.
- Collaborated with international clients to customize chatbot features for specific business needs, improving client satisfaction and adoption rates.
- Integrated voice input and text-to-speech capabilities using **speech synthesis APIs**, resulting in a more interactive and accessible user interface.
- Developed a standardized **Markdown** template for chatbot interactions, allowing for rapid deployment of responses; **4 team members** now use the template, enhancing overall efficiency in response delivery.

Software Engineer, Intern

MdWeb

Montplaisir, Tunis

07/2023 - 08/2023

- Led the development of a dynamic online questionnaire using **JavaScript** and Appsmith, reducing the development time from **5 workdays to 1**, streamlining the data collection process with customizable scenarios and a flexible database structure.
- Built an interactive dashboard to centralize survey data, providing clear visualizations and real-time updates, which refined data accessibility and decision-making efficiency.
- Researched and documented the **Appsmith** platform, showcasing its rapid development capabilities and flexibility in creating web and mobile applications.
- Collaborated with experienced developers to refine teamwork enhancing the project's success and fostering a collaborative environment.

Software Engineer, Intern

National Dev. Center
of the Tunisian Post

Centre Ville, Tunis

06/2023 - 07/2023

- Developed a notification system using **Django**, enabling automated email and SMS alerts to clients, which increased communication efficiency and response times.
- Designed a **RESTful API** with **Django REST Framework**, streamlining data exchange and integration with third-party applications.
- Optimized database management with **PostgreSQL**, improving data storage and retrieval efficiency, which enhanced system reliability and performance.

Education

Computer Science Degree

Higher Institute of Computer
Science

Mahdia, Tunis

2022 - 2025

- Relevant Coursework: Data Structures and Algorithms, Web Development, Database Systems

Maths Bacculaureate

Med Ali Annebi Highschool

Bizerte, Tunis

2021 - 2023

Projects

- **Event Booking System:** Created a web-based event booking platform with a showcase section for event details and a secure booking system, integrating real-time availability and automated confirmations. Successfully used by over 120 users, enhancing event engagement and streamlining management. **(02/2024)**
- **Personal AI Assistant :** Built an AI assistant inspired by JARVIS from *Iron Man*, capable of executing voice commands to open applications, manage tasks, and provide real-time responses, aiming to automate routine activities. **(01/2024)**

Volunteer Experience

President, JCI Metline Juniors

2022 - 2023

- Led a dedicated team to successfully execute **12 high-impact community projects**, refining leadership and project management while fostering a strong sense of camaraderie and positive organizational culture.

Others

- **Bronze Award:** Secured 3rd place at the Coding Moon Hackathon Challenge for developing a platform that utilizes open banking APIs to analyze users' financial states and recommend optimal banking or financial methods for paying for services and products. **(02/2024)**
- **Microsoft Certified: Azure Fundamentals (AZ-900):** Achieved certification demonstrating foundational knowledge of cloud concepts, core Azure services, security, privacy, compliance, and trust, as well as Azure pricing, SLA, and lifecycle management. **(11/2023)**