**CONSULTANT**

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|  | **FORMATIONS** |
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| **National School of Engineering in sfax (ENIS)** 2021-2024 | Computer science engineering student |
| **Preparatory Institue of Engineering studies** Jun 2023 - Aug 2023 | Mobile application for event management |
| **End of Year project** Feb 2023 - Jun 2023 | Digital Research Center of Sfax |
| **Summer intership** Jun 2022 - Aug 2022 | Digital Research Center of Sfax |
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|  | **CERTIFICATIONS** |
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| **Azure AI Fundamentals** |  |
| **Convolutional Neural Networks** |  |
| **Neural Networks and Deep Learning** |  |
| **Structuring Machine Learning Projects** |  |
| **Analyze Datasets and Train ML Models using AutoML** |  |
| **Sample-based Learning Methods** |  |
| **Fundamentals of Reinforcement Learning** |  |
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|  | **COMPÉTENCES** |
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**Compétences techniques**

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| **Langages de programmation** | Dart, Flutter, Java, Python, Node.js, Express Js, JavaScript |
| **Framework** | Flutter, SpringBoot, Angular, Spring Boot, React |
| **Base de données** | MongoDB, SQL, MySQL |
| **Logiciels** | Firebase, Figma |
| **Librairie** | PyTorch, Keras, TensorFlow, Seaborn |
| **Bibliothèque** | Deep Learning, Reinforcement Learning |
| **Devops** | Git, Github, Gitlab, Docker, Kubernetes, Docker Compose |
| **Autres outils** | Shell, LaTeX, ASP .NET Core, Android Studio, Scikit-learn, Junit, Jira |
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**Langues**

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| **Arabic** | Native language |
| **English** | Professional Proficiency |
| **French** | Professional Proficiency |
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|  | **EXPÉRIENCES PROFESSIONNELLES** |
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| **ACTIA ENGINEERING SERVICES** | 2021-2024 |
| **Summer intership** Development of a dynamic mobile application 'Actia Event' within a highly innovative environment, which has streamlined event management and enhanced user engagement through QR code scanning and real-time notification reception to stay informed about updates.  **Environnement technique:** Flutter, Windows Flutter, Firebase, Figma | |
| **DIGITAL RESEARCH CENTER OF SFAX** | Feb 2023 - Jun 2023 |
| **End of Year project** Implemented an AI-powered tree disease detection solution within a mobile application, enabling real-time disease assessment and ensuring quick response to tree health issues.  **Environnement technique:** Dart Flutter, Java, Python, Node.js, Flutter, Python, Deep Learning, PyTorch, MongoDB, Express Js, JavaScript, Git, Github, Gitlab, Docker, kubernetes | |
| **DIGITAL RESEARCH CENTER OF SFAX** | Jun 2022 - Aug 2022 |
| **Summer intership** Implemented intelligent precision irrigation system using reinforcement learning techniques, integrating Olive Tree Sensors for environmental monitoring and adaptive irrigation decisions.  **Environnement technique:** Water irrigation with reinforcement learning: Angular, SpringBoot, TypeScript, SQL, Junit, Jira, Keras, TensorFlow, Deep Learning, Reinforcement Learning, Data Science, python, reinforcement learning | |
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|  | **PROJETS ACADÉMIQUES** |
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| **MOBILE APPLICATION FOR EVENT MANAGEMENT** | Jun 2023 - Aug 2023 |
| Development of a dynamic mobile application 'Actia Event' within a highly innovative environment, which has streamlined event management and enhanced user engagement through QR code scanning and real-time notification reception to stay informed about updates. | |
| **MOBILE APPLICATION FOR OLIVE DISEASE CLASSIFICATION** | Feb 2023 - Jun 2023 |
| Implemented an AI-powered tree disease detection solution within a mobile application, enabling real-time disease assessment and ensuring quick response to tree health issues. | |
| **WEB APPLICATION BASED ON MICROSERVICES ANGULAR/SPRINGBOOT** |  |
| Developed a web-based research laboratory management application, integrating Spring Security for data protection, and conducted automated unit testing with JUnit for enhanced reliability and efficiency. | |
| **CONTAINER ORCHESTRATION WITH DOCKER AND KUBERNETES** |  |
| Deployed a multi-container application using Docker Compose and orchestrated the deployment of interconnected services through Kubernetes, enhancing the development-to-production process. | |
| **IMAGE CLASSIFICATION WITH FLUTTER AND NODEJS** |  |
| Created an image classification application utilizing Tensorflow Lite to identify individuals wearing masks. | |
| **WEB APPLICATION** |  |
| Created a web-based travel application entails the process of designing, building, and enhancing a digital platform that facilitates travel-related activities. | |
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