Nesrine Ben Refifa Connected systems engineering Student

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PROFILE

I am a third-year **Electronic Systems and Communication Engineering** student passionate about new technologies, with solid expertise in software development. Possessing a strong ability to adapt and learn quickly, I aim to join innovative environments to contribute to technical projects and collaborate within dynamic teams

PROFESSIONNAL EXPERIENCE

Intern

LAB-IT 07/2024 – 08/2024 | sousse, Tunisie

- Developed a stock management app, boosting inventory efficiency by 40% and automating invoices.
- Built with React.js, Node.js, and MongoDB for full-stack functionality.
- Employed Vite.js for rapid development and managed version control with GitHub
- Containerized the app using **Docker**, **Docker Compose**, and **Jenkins CI/CD** pipelines for automated deployment.
- Automated configuration and deployment with **Ansible**.

keywords :Jenkins , Docker ,DockerHub, Ansible , Github,Reactjs ,ExpressJs ,MongoDB

Draxelmaier Group 06/2024 – 06/2024

- Drafted the specifications document for a lifting table.
- created a 3D model using SolidWorks.

Keywords: SolidWorks, Proteus ISIS, Continuous Improvement Process

Draxelmaier Group 07/2023 – 08/2023 | Monastir, Tunisie

- Developed a preventive maintenance list for a motorized conveyor, improving maintenance efficiency by **30%**.

EDUCATION

Engineering degree in Communication Electronics, 09/2022 – present | sfax, Tunisie
National School of Electronics and Telecommunications of Sfax

Pre-Engineering Studies, Preparatory institute for engineering studies in Monastir 09/2020 – 06/2022
Passed the National Exam (Physics-chemistry)

ACADEMIC PROJECTS

Deep Learning Model for Driver Drowsiness Detection present

- Developed a deep learning model using Python, Keras, and TensorFlow to detect driver drowsiness from facial images.
- Focused on image classification with high accuracy achieved on static images.

keywords :Python, Keras, TensorFlow

Web Application for Collecting Data from Raspberry Pi 05/2024

- Created a real-time data collection system using Raspberry Pi with Python scripts to gather and transmit sensor data to a web application.
- Utilized WebSockets for real-time data visualization updates.
- Developed a user-friendly front-end with HTML and CSS.
- Implemented PHP for server-side scripting and integrated Firebase for secure backend data storage.

Web Application for Irrigation System (End of Year Project) 04/2024

- Developed the web application dashboard for an IoT-based irrigation system.
- Utilized **React.js** for building the front end, providing a responsive and user-friendly interface.
- Integrated with **Node.js** and **MongoDB** on the backend to manage system data, enabling real-time monitoring and control of the irrigation process.

Keywords: React.js, JavaScript, HTML, CSS, Node.js, Express.js, MongoDB

TECHNICAL SKILLS

Web development:
Html |Css | React Js | Node JS | Express JS | ViteJs

Programming languages:
javascript | c/c++ | java | Python | Flask

DevOps
Docker | Jenkins | Ansible
Git | Github

Databases:
MongoDB | Firebase | MySql

Tools:
VS Code | Android Studio | Bitbucket | JIRA | VMware Mtlab | LabView

Operating system:
Windows|Linux

Project management tools :
Scrum | Lean six Sigma

CERTIFICATES

- Docker Training course for the absolute beginner(Kodekloud)
- AI-900: Microsoft Azure AI Fundamentals
- AZ-900: Microsoft Azure Fundamentals
- C++ complete training course (udemy)

ASSOCIATIVE ACTIVITY

- Participated in the IEEEXtreme 16.0 and 17.0
- Event Organizer: GEC Day, First Edition 2023
- Participated in the Green Tech Hackathon
- Active member of Enet'Com Junior Entreprise

LANGUAGES

- Arabic
- French
- English