INES BOUKHRIS *Software Engineering Student*

✉ inesboukhris20@gmail.com

📞 +21655207927

📍 Tunis

in linkedin.com/in/ines-boukhris-ii22

⌨ github.com/ines-22

🔗 https://ines-22.github.io/Boukhris-Ines-Portfolio/

🎓 EDUCATION

Software Engineering, *Higher Institute of Computer Science - ISI Ariana*

2022 – present

Bachelor's degree in Network and Computer Systems Engineering, *Higher Institute of Computer Science - ISI Ariana*

2019 – 2022

🧠 SKILLS

- Git, Jenkins, Docker, Ansible, Kubernetes, Sonarqube, Nexus, Terraform
- Java, C/C++, Python
- SpringBoot, Angular, Flutter
- Oracle, MongoDB, Mysql, PhpMyAdmin, Firebase
- Hadoop, Spark, Kafka
- Linux, RaspberryPi, Latex

🛡 CERTIFICATES

AWS Cloud Practionner (CLF-02) — 09/2024 | KodeKloud

CDOSS Big Data Machine Learning with Apache Spark — 03/2024 | CDOSS

Microsoft Certified : Azure AI Fundamentals (AI 900) — 02/2024 | Microsoft

Microsoft Certified : Azure Data Fundamentals (DP 900) — 01/2024 | Microsoft

🧩 CLUB

Member of Securinets ISI Club, *Junior Department*

2019 – 2023

• Animation of computer security workshops for students.
• Organization of competitive events for juniors.

🎸 INTERESTS

Chess • Hiking • Astronomy

🌍 LANGUAGES

Arabic : Native • Français : Fluent •
Anglais : Fluent

💼 PROFESSIONAL EXPERIENCE

Summer Internship, *SFM Technologies*

06/2024 – 08/2024

- **Development of a mobile application for optimizing electrical energy consumption in buildings.**

Description: • Encourages users to reduce energy consumption through rewards, challenges, and exclusive offers, making the app more interactive and motivating.
Technical environment : Flutter, Git

Summer Internship, *Africom Services*

07/2023 – 08/2023

- **Integration and Deployment of a web application**

Description: • Automating the deployment of a web application. • Development of an integration pipeline to create and publish a Docker image of the application.
Technical environment : Git, Docker, Jenkins, Ansible

End of Studies Internship, *SFM Technologies*

02/2022 – 05/2022

- **Implementation of a continuous integration and virtualization system**

Description: • Establish a comprehensive pipeline spanning code integration, build, testing, delivery, and continuous deployment. • Integrate it into the Qoentum platform and establish an environment conducive to continuous deployment.
Technical environment : Git, Jenkins, Docker, Sonarqube, Ansible, Kubernetes

📁 PROJECTS

DevOps Project : CI/CD Pipeline

- Designed and implemented a **Jenkins CI/CD pipeline** to automate the build, test, and deployment process.
- Integrated tools like **Maven** for compilation, **SonarQube** for static code analysis, **Trivy** for vulnerability scanning, and **Nexus** for artifact management.
- Automated containerization using **Docker**, infrastructure provisioning with **Terraform**, and deployment with **Ansible**.

Artificial Intelligence Project: Neural Network for Diabetes Prediction

- Built and trained a **Multi-Layer Perceptron** with optimization parameters.
- Performed data preprocessing, visualization and **model evaluation** through accuracy metrics, confusion matrices, and convergence analysis.
- Explored the impact of **learning rates** and iterations on model performance and applied **Self-Organizing Maps +** for dimensionality reduction.

Hackathon "Empowering ISI with AI"

- Developing a chatbot to answer questions based on ISI internal documents using **RAG** and AI agents.

Optimization of Neural Networks by Genetic Algorithms

- Developed a neural network model architecture with customizable input, hidden, and output layers.
- Leveraged **NumPy** for numerical computations and **Scikit-learn** to evaluate the model performance using metrics like **Mean Squared Error**.
- Designed the project to experiment with different architectures and optimization techniques, enhancing understanding of deep learning concepts.

Mobile Application : Notify

• Development of an application with **Flutter**.
• Publication and creation of messages and categories from Teachers.
• Register students to categories and receive notifications when new posts are published.
• Using **Firebase** database to store posts, categories and registrations.

E-commerce website : Joya

• Backend development with **Spring Boot** via the integration of a **MySql database**.
• Implementation of a rich and interactive user interface with **Angular**.