

Mahmoud Nagbou

Business Intelligence Developer

Portfolio: mahmoud-nagbou-portfolio.vercel.app

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Github: Nagbou Mahmoud

Portfolio:

mahmoud-nagbou-portfolio.vercel.app

EXPERIENCE

Personal Portfolio

Link: mahmoud-nagbou-portfolio.vercel.app

In addition to my professional experience, I have completed various personal projects in machine learning, data mining, and web development, showcasing a broader range of my skills. You can explore these projects in my personal portfolio, accessible via the link in the header.

Data Scientist & AI Developer

Elokencia - Final Year Internship

Tunis

01/2025 - 07/2025

During my final-year internship at Elokencia, I enhanced collaboration platforms by addressing the lack of intelligent data interpretation in existing visualization tools, which overwhelmed users with complex data and limited insights. I developed an AI-powered widget that automatically analyzes meeting data, identifies trends, and provides personalized coaching via interactive dashboards to improve communication and decision-making. The solution used Python with TensorFlow, Keras, and Scikit-learn for AI models, large language models for natural language explanations, Matplotlib and Plotly for visualization, FastAPI for backend, and React for the front end. The system was deployed on Render, following Waterfall and CRISP-DM methodologies for structured development.

Business intelligence Developer

ForeverMo Group - Internship

Tunis

08/2024 - 09/2024

As a BI Developer, I addressed the issue of declining client numbers by applying Business Intelligence techniques. I conducted thorough data visualization, analysis, and exploration to identify the underlying problems. Subsequently, I proposed and predicted solutions to mitigate these issues and improve client engagement.

SKILLS

Python

Power BI (Dashboard Development & KPI Tracking)

SQL & NoSQL Databases

Artificial Intelligence (AI)

Machine Learning (ML)

Deep Learning

Generative AI

Flask

JavaScript (MERN-Stack)

Java, C, PHP

Html, Css

Certificates

AWS

Generative AI with Large Language Models

IBM

Fundamentals of AI Agents Using RAG and LangChain

IBM - Coursera

Generative AI: Introduction and Applications

IBM - Coursera

Business Intelligence (BI) Essentials

Udemy

The Complete 2024 Web Development Bootcamp

365 DataScience - Udemy

Complete Data Science Bootcamp 2024

Data mining and Web Developer

CIMS - Internship
Tunis

06/2024 - 08/2024

Developed a machine learning model for predicting course and instructor ratings. Built a React web app to integrate the model and visualize instructor ratings.

Frontend Web Developer
Biomedica Group - Internship
Kairouan

06/2023 - 08/2023

For almost three months, I have worked as a Frontend Developer. I designed and developed a web app's user interface from scratch using UX/UI principles, Adobe Illustrator, HTML, CSS, JavaScript, Angular, and Bootstrap.

EDUCATION

Institute of Computer Science and Management, Kairouan —
BACHELOR - Business Intelligence

09/2022 - 06/2025

Higher Pioneer School, Kairouan — SECONDARY - Baccalaureate
degree in Mathematics

09/2017 - 06/2021

ZTM - Udemy

Complete A.I. & Machine Learning, Data
Science Bootcamp

LANGUAGES

Arabic-Native

English-Fluent

French-Fluent

GENERAL SKILLS

Strong Problem-Solving Abilities

Research & Development Mindset

Analytical Thinking & Innovation

Team Collaboration & Communication