



Lina Ben Salem

Software Engineer - AI Apprentice



Tunisia



27.06.1991



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PORTFOLIO



lina2761991



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<http://lina2761991.github.io/>

EXPERIENCE

01.2023 - Present

Instadeep

AI Apprentice

- **Project:**

CHO: Olive Oil Production and Price Prediction

A dashboard to generate and display results prediction of olive oil production and the prices of Extra-virgin olive oil.

It also allows you to visualize the data available in previous years, both for production and prices.

Environment: Dash, Plotly, Flask, Anaconda, Sklearn, pandas, numpy, hydra, Catboost, Xgboost, Optuna, python, beautifulsoup scipy, black, isort,flake8, Gitlab

07.2020 - 04.2021

BTK - Banque Tuniso-kuweïtienne

Software Engineer

- **Projects: BTK Recouvrement - Applications Internes - LCR**

Environment: JBoss, JSF, XHTML/CSS3, Eclipse, MySQL, Java 7/8, Bootsfaces, Primefaces, Wildfly

01.2020 - 06.2020

APP4MOB

Intern - Web Development

Project: Tlibra

Description: Development of a "white label dashboard" that manages monetary transactions carried out by a mobile application

Environment: React/Redux, Html5/css3, Rest Web Service, Github, Jira

02.2019 - 06.2019

EPI

End of Study Project - Tunipaw

Description: Development of a platform for animals that concerns veterinarians, associations, pet owners, and lost animals

Environment: Bootstrap, HTML5/CSS3, Javascript, JQuery, Symfony3

ACADEMIC EXPERIENCE

01.2023 - Present

- **Project:** Diabetes Prediction

Description: A machine learning project that is meant to predict whether or not a person will have diabetes using different machine learning algorithms and a tubular dataset

Environment: Django, Python, Seaborn, Pandas, Matplotlib, Sklearn

- **Project:** School Management System

Description: a Java mini project that was done as Java material assignemznt containing a whole scenario of managing a regular school system

Environment: Java

- **Project:** University Management System

Description: This is a project that was done as a command-line app. It's a university management system mostly done in SQL, and Python to see the whole scenario on the terminal.

Environment: python3, xampp and MySQL

SKILLS

- **Technical Skills:** Machine Learning, Deep Learning, Computer Vision, NLP, LLMs, OpenCV, RAG, GANs, Prompt Engineering
- **Programming:** Python, R, Javascript/ES6, Java
- **Databases:** MySQL, MongoDB
- **Frameworks/Libraries:** Tensorflow, Pytorch, LangChain, Matplotlib, Django, Symfony, Bootstrap, Express, React, Redux, Java EE, Node, PowerBI

CERTIFICATIONS PROJECTS

- | | |
|---|------------------------------------|
| • Bike Share | (Google Data Analysis Certificate) |
| • Titanic | (Kaggle) |
| • House Pricing Prediction | (Kaggle) |
| • Developing a Handwritten Digits Classifier with PyTorch | (Deep Learning Nanodegree Udacity) |
| • Landmark Classification & Tagging for Social Media | (Deep Learning Nanodegree Udacity) |
| • Text Translation and Sentiment Analysis using Transformers | (Deep Learning Nanodegree Udacity) |
| • Face Generation | (Deep Learning Nanodegree Udacity) |
| • Lightweight Fine-Tuning to a Foundation Model | (Generative AI Nanodegree Udacity) |
| • A Custom Chat Bot | (Generative AI Nanodegree Udacity) |
| • AI Photo Editing with Inpainting | (Generative AI Nanodegree Udacity) |
| • Personalized Real Estate Agent | (Generative AI Nanodegree Udacity) |

CERTIFICATIONS

- **Data Science (Udacity)**
Deep Learning Nanodegree
Generative AI Nanodegree
- **Data Science (Coursera & Datacamp & kaggle)**
Data Cleaning
ML Specialization
DL Specialization
- **Data Analysis (Coursera & Datacamp)**
Google Data Analytics
Reporting with R Markdown
Data Transformation in Power BI
Data Preparation in Power BI
Data Modeling in Power BI
Introduction to DAX in Power BI
- **Software Engineering (Coursera & Datacamp & Go My Code)**
Algorithmic Toolbox
Design Patterns
Python for Everybody
Introduction to Version Control with Git
Full-Stack Javascript Program (MERN)
- **Bio (Coursera)**
Fundamentals of Immunology

EDUCATION

- Pristini University 2022 - 2025**
Master's Degree in Data Science, AI & Healthtech
- International Multidisciplinary School (EPI) 2016 - 2019**
National Diploma of Software Engineering
- Preparatory Institute of Engineering Studies - Nabeul (IPEIN) 2010 - 2013**
Preparatory Class Physics - Chemistry