





Fellah Abdelnour


Last Year AI & Data Science Student


 Mostaganem, Algeria

 fellah-abdelnour-57411a287

 (+213) 559 19 01 89

 [abdelnour13](#)

 ab.fellah@esi-sba.dz

 [portfolio](#)

PROFILE

I am a dedicated Machine Learning Engineer with a background in Computer Science, specializing in Python and PyTorch for developing robust machine learning models. Proficient in SQL for efficient data manipulation and analysis, I am committed to leveraging my technical skills to drive innovative solutions. My educational foundation and hands-on experience equip me to tackle complex challenges and contribute effectively to dynamic teams.

EDUCATION

Electrical engineering Baccalaureate Degree

2017 – 2020

High School Baccalaureate Exam

- Ahmed Boumeahdi High School – Sidi Lakhdar, Mostaganem

Master of Science & Engineering Degree

2020 – Present

Computer Science & Engineering

- Higher School of Computer Science – Sidi Bel Abbes

EXPERIENCE

Networking intern

03/09/2023 – 21/09/2023

- Algérie Télécom

Data science intern

Mar 2024 – Jun 2024

- Centre Anti-Cancer Cac – Sidi Bel Abbes

SKILLS

Frontend Web Development

+3 year

HTML, CSS, JavaScript, ReactJS, TailwindCSS, Responsive Web Design, Web Accessibility, Grid and Flexbox Layouts..

AI & Data Science

+1 years

Python & R Programming, Numpy, Pandas, scikit-learn, Pytorch, Tensorflow, SQL, PySpark, Machine Learning Algorithms, Deep Learning & Natural Language Processing.

Backend Development

+3 year

Express JS, Nest JS, SQL, PostgreSQL, MySQL, MongoDB, Fast API.

TECHNOLOGIES

HTML

CSS

JavaScript

ReactJS

TailwindCSS

SQL

Postman

GitHub

Git

FAST API

Python

VSCode

Linux

Pytorch

C++

Tensorflow

ExpressJS

PySpark

JAVA

C

streamlit

PROJECTS

AI System for Breast Cancer Diagnosis

Mar 2024 – Jun 2024

- Fourth Year Multidisciplinary project (ESI SBA)

This project, conducted in 2024, is a collaboration with the Anti-Cancer Center of Sidi Bel Abbes (CAC). The objective of this project was to develop an AI system capable of diagnosing breast cancer through the classification of gigapixel hematoxylin and eosin (H&E) histopathological images.

Automatic image captioning

Apr 2024 – May 2024

- University Project (Natural Language Processing)

Developed and deployed a transformer-based model for generating image captions as part of a university course on Natural Language Processing (NLP). The model was integrated into a web application, allowing users to upload images and receive automatically generated captions.

Images Generation with DDPMs

Sep 2024 – Oct 2024

- Personal project

In this project I implemented & trained a latent diffusion model from scratch using PyTorch to generate images both unconditionally and conditionally with different conditions such as: binary mask, color palette and attributes. The architecture was tested on the following datasets: Anime Faces dataset, Google cartoon faces and Bitmoji faces

COURSES & CERTIFICATES

DeepLearning.AI TensorFlow Developer

02 Feb 2024

The DeepLearning.AI TensorFlow Developer course offered by DeepLearning.AI on Coursera teaches applied machine learning skills with TensorFlow, enabling you to build and train powerful models in various AI fields such as computer vision, natural language processing, and time series forecasting.

Generative AI for everyone

23 Feb 2024

Generative AI for Everyone is a course that provides a high-level overview of how generative AI works, including its use cases, the lifecycle of a generative AI project, and the opportunities and risks involved.

Machine Learning Specialization

22 Feb 2024

The Machine Learning Specialization is a beginner-focused series of courses that covers Python's essential AI packages, the most widely used machine learning algorithms, and even advanced topics like deep learning and reinforcement learning.

LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Full Professional Proficiency

French

Professional working proficiency.