

Abdelmalek Djemaa

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Summary — Results-driven Artificial Intelligence Student with a solid background in machine learning and deep learning algorithms. Skilled in developing AI and ML models and analyzing complex data sets.

Education

Djaber Ben Hayyan High School, Constantine <i>Mathematics Baccalaureate</i>	2020
Higher School of Computer & Digital Science (ESTIN), Bejaia <i>Integrated Preparatory Cycle student</i>	2020 – 2022
Higher School of Computer & Digital Science (ESTIN), Bejaia <i>Second-cycle student, common core in AI & Cyber Security</i>	2022 – 2023
Higher School of Computer & Digital Science (ESTIN), Bejaia <i>Second-cycle student specializing in AI & Data Science (DS)</i>	2023 – 2025

Skills

Machine Learning Experience with classification, regression, and clustering models.	Tailwind CSS for fast, responsive UI design.
Data Analysis Skilled in using Pandas and NumPy for data manipulation and analysis.	TensorFlow Experience in using TensorFlow for deep learning and model deployment.
Deep Learning Experience with CNNs, RNNs, and deep learning frameworks.	Scikit-learn Experience with machine learning models and algorithms in Scikit-learn.
Node.js Proficient in building backend applications with Node.js and RESTful APIs.	MongoDB Proficient in MongoDB for managing NoSQL databases and large datasets.
Python Strong in Python for data analysis, machine learning.	React.js Expertise in building dynamic user interfaces with React.js.
OS MacOS, Linux, Windows.	MySQL Proficient in MySQL for relational database management and optimization.
	Java Expertise in Java for building scalable applications.

Certifications

Supervised Machine Learning: Regression and Classification	DeepLearning.AI, Stanford University, Coursera
Advanced Learning Algorithms	DeepLearning.AI, Stanford University, Coursera
Unsupervised Machine Learning: Clustering and Association	DeepLearning.AI, Stanford University, Coursera
Neural Networks and Deep Learning	DeepLearning.AI, Coursera
Convolutional Neural Networks	DeepLearning.AI, Coursera
Improving Deep Neural Networks: Regularization, and Optimization	DeepLearning.AI, Coursera
Structuring Machine Learning Projects	DeepLearning.AI, Coursera

AI Projects

Generative Radiologist Reports in Medical Imaging (Chest X-ray) • Developed a system for generating radiologist reports based on chest X-ray images.	Master Project
Skin Lesion Segmentation using Unet • Implemented a deep learning model for medical image segmentation using Unet.	ESTIN
Object Localization with TensorFlow • Developed a deep learning model for detecting and localizing objects within images using TensorFlow.	Coursera Project
Tweet Emotion Recognition with TensorFlow • Built a model using TensorFlow to analyze tweet sentiments and classify emotions (positive, negative, neutral).	Coursera Project
Creating Multi-Task Models with Keras • Developed multi-task learning models using Keras to solve multiple related tasks simultaneously.	Coursera Project



Image Classification with TensorFlow

Coursera Project


- Developed an image classification model using TensorFlow to classify images into multiple categories.

Web Development Projects



ESTIN Student

- An app that provides students with easy access to a comprehensive library of resources.
-  GitHub Repository
-  View Live Website

HEALTH DZ

- A platform that efficiently manages the relationship between patients and doctors.
-  View Live Website

BOOKBANK

- A comprehensive book management system.
-  GitHub Repository
-  View Live Website

Languages

Arabic

- Native speaker

English

- Very good command

French

- Highly proficient