

MOHAMMEDI Anis

 dev821 |  a_mohammedi@estin.dz |  +213.555.788.625 |  LinkedIn: MOHAMMEDI Anis

SUMMARY

Recent graduate with a degree in Computer Engineering, specializing in Data Science and Artificial Intelligence. I am passionate about problem-solving using data analysis and software engineering techniques. With a strong academic background and hands-on experience in deep learning, I am eager to apply my technical skills in a challenging environment, contributing to the optimization of processes. My goal is to leverage AI-driven solutions in operational roles, continuously improving my expertise while being a valuable team player

PROFESSIONAL EXPERIENCE

Data Science Research Intern -ESTIN Bejaia Feb 2024 - Jun 2024

Conducted research on optimizing deep learning techniques to design a model for semantic segmentation of salt rocks from seismic images. I've also applied AI solutions for predictive maintenance in geological exploration, ensuring data accuracy and efficiency.

Data Science Intern - RTC Sonatrach Bejaia Jun 2023 - Jul 2023

Developed a deep learning model for semantic segmentation in a professional data science environment. Gained experience in working with large-scale datasets and applying machine learning methods for predictive analytics.

Web Developer -Esi Sidi Bel Abbes Feb 2021 - Jun 2021

Collaborated with a multidisciplinary team to design and implement a web application, including an IDE for ASM X86 language.

PROJECTS

Non-Vegetal Element and Plant Organ Identification using YOLOv8. Nov 2023 – Jan 2024

Car Price Prediction Platform (Scrum Master) Nov 2023 – Jan 2024

Led a team using Scrum methodology to create a web application for predicting car prices, utilizing ReactJS and NodeJS.

Supreme Court Case Consultation Mobile App Apr 2023 – May 2023

Reinforcement Learning for Highway Ramp Measurement Oct 2023 – Jan 2024

Churn Prediction System Nov 2023 – Jan 2024

Developed machine learning models to predict customer churn, improving decision-making in business intelligence.

Creation of a Data Warehouse using ETL with Talend May 2023 - May 2023

Data modeling using Star schema and transforming it into a data cube with SSAS, querying the cube using MDX with SSMS.

Time Series with EViews: Forecasting Sales Demand in the Sales Sector May 2023 - May 2023

- Sentiment Analysis

July 2022 - August 2022

Implementation of a deep learning algorithm with a graphical interface built using TKINTER, analyzing sentiments from an API (e.g., Twitter).
- ENIGMA Machine Simulator

April 2021 - May 2021

Implementation of a cryptography machine used by the Germans during World War II, developed in JAVASCRIPT and JQUERY.
- School Management

November 2021 - January 2022

Management of student data, courses, and exams using HTML, CSS, JAVASCRIPT, REACTJS, MYSQL, EXPRESSJS, NODEJS.
- Student Enrollment Management

April 2021 - May 2021

Created a desktop application using JavaFX, applying OOP concepts and information system courses.
- Snake Game

March 2021 - March 2021

Created the classic Snake game in C++ as a direct application of algorithmic modules and data structure concepts.

PUBLICATIONS

Souadih, K. **and others** (2024). “Accurate identification of salt domes using deep learning techniques: Transformers, generative artificial intelligence and liquid state machines”. in *Geophysical Prospecting*: pages 1–15. DOI: [10.1111/1365-2478.13603](https://doi.org/10.1111/1365-2478.13603).

EDUCATION

- 2021 - 2024

State Engineer and Master’s in AI and Data Science at **ESTIN Béjaïa**

(Distinction: Excellent)
- 2019 - 2021

Preparatory Classes in Computer Science at **ESI Sidi Bel Abbas**

(Average: 14.59/20)
- 2019

Baccalaureate in Elementary Mathematics

(Average: 15.71)

SKILLS

- Machine Learning & Deep Learning

Python, keras, Tensorflow et Pytorch
- Data Analysis

Tableau,Pandas,Numpy,Seaborn, Matlab,DAX,TCD,MDX,Eviews
- Software Engineering

UML,Java ,Android, JavaScript, NodeJS, ExpressJs,Django ,Git-Github,ReactJS, C/C++ ,Methodologie Scrum, Docker
- Big Data and Databases

Sql,Oracle,MongoDB,PostgreSql, Redis,Cassandra,Talend,NEO4J, SSAS,MS SQL Server Management Studio,spark, hadoop,json,xml,GIS,data modélisation, Database modelisation
- Office tools

Microsoft Office :Word, Excel and PowerPoint
- Project Management