

Oussema Bargougui

Ariana, Tunisia | LinkedIn: [Oussema Bargougui](#) | +216 23041369 | Ooussema.Bargougui@esprit.tn

Github link : <https://github.com/Oussema-Bargougui>

EDUCATION

ESPRIT (Ecole Supérieure Privée d'Ingénierie et de Technologies)

Ariana, Tunisia

Engineering cycle in Computer Science, Data Science option.

IPEIN (Institut Préparatoire aux Etudes D'Ingénieurs de Nabeul)

Nabeul, Tunisia

Diploma of success in the National Entrance Exam for Engineering Schools (Rank : 298/610)

LPSB (Lycée Pilote Sidi Bouzid)

Sidi Bouzid, Tunisia

Baccalaureate in Technical Sciences (Grade : Very good)

LANGUAGES

Arabic

English

French

German

PROJECTS

Sign Language Detection Model : Developed a CNN-based model to detect and classify sign language gestures for 3 alphabets (A, B, L).

Customer Churn Prediction : Predicted customer churn using many models such as XGBoost and Gradient Boosting, applying CRISP-DM methodology.

Crypto-ema-streamlit-app : Learn how to connect to the Binance API using Python, analyze crypto data with EMAs, and build a fully interactive Streamlit app from scratch.

REALTIME-Cryptocurrency-Prices-with-Python : I am pulling realtime cryptocurrency prices (Bitcoin, Ethereum,...) using the Binance websocket API.

Web-Scraper : Building **Scraper AI** , an AI-powered web scraping solution to extract, analyze, and visualize web content effortlessly.

Toxicity detection model : This project aims to create a tool that can automatically detect and classify toxic comments using deep learning techniques.

SKILLS

Programming Languages: Proficient in Python, R, and SQL for data manipulation, analysis, and visualization.

Data Analysis & Visualization: Skilled in using libraries such as Pandas, NumPy, Matplotlib, Seaborn, and ggplot2 to analyze and visualize data.

Machine Learning: Experienced in building and deploying predictive models using Scikit-learn, TensorFlow, and Keras.

Deep Learning: Knowledgeable in neural networks, convolutional neural networks (CNNs), and recurrent neural networks (RNNs) for advanced data modeling.

Natural Language Processing (NLP): Experience with text analysis, sentiment analysis, and language modeling.

AI Model Development: Experienced in designing, training, and deploying AI models for various applications, including classification, regression, and clustering tasks.

Generative AI: Proficient in developing generative models such as Generative Adversarial Networks (GANs) and Variational Autoencoders (VAEs) for image, text, and data generation.

Large Language Models (LLMs): Hands-on experience with state-of-the-art LLMs like GPT, BERT, and Transformer-based architectures for natural language processing (NLP) tasks.

AI Deployment: Knowledgeable in deploying AI models into production environments using frameworks like Flask, FastAPI.

Web Scraping: Proficient in extracting data from websites using tools like BeautifulSoup and Scrap

ASSOCIATIVE LIFE

Member of the TPL IPEIN club (Tunisian Programming Lovers).
Human Resources Manager at the DAR Blockchain INSAT club.

EXPERIENCE

Summer Internship (1.5 months) at AHWA Solutions :

Worked on creating a management system for the company, allowing for efficient supervision of employees and interns.

Machine Learning, Deep Learning & Generative AI Tutor at ACM Esprit Club :

Responsible for tutoring students in advanced AI topics, providing guidance and support in Machine Learning, Deep Learning, and Generative AI.