



## Contact

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**GitHub :** github.com/Abedrayen

## Skills

- Data Engineering : Pandas, Seaborn, Matplotlib
- Python : Scikit-learn, TensorFlow, Keras, FastAPI
- MERN Stack
- Git, Docker
- PostgreSQL
- AWS

## Language

Arabic : Fluent

English : Advanced

French : Advanced

Deutsch : Beginner

# RAYEN ABED

## SOFTWARE ENGINEER

## About Me

Aspiring Software engineer with a solid foundation in machine learning and web development. Experienced in Python, MERN stack, and cloud technologies. Eager to apply AI to real-world challenges and grow through innovative projects.

## PROFESSIONAL EXPERIENCE

- **Software engineer | Retalk | 2025 - Present :**
  - Developed a contextual Automatic Voice-to-Sign Language Translation using deep learning.
  - Built Resume Job Matching Platform utilizing NLP for summarization and classification.
- **Software & AI Instructor | GoMyCode | 2023 - Present :**
  - Delivered courses on artificial intelligence , mentoring students and providing hands-on support
- **AI Engineering Intern | DIGIX | Jul 2024 - Sept 2024 :**
  - Developed a medical chatbot with emotion detection and geolocation-based recommendations.
  - Utilized Ollama 2.0 and Retrieval-Augmented Generation (RAG) for medical information sourcing.
  - Enhanced chatbot functionality using machine learning algorithms.
- **Software Engineering Intern | DunDill | Feb 2024 - May 2024**

Led two ambitious projects:

  - **Smart Online Platform:** Developed a platform integrating AI for personalized services (to-do list, timer, chatbot, and recommendations).
  - **Neurodevelopmental Disorder Detection App:** Built a mobile app for early detection of neurodevelopmental disorders in children.

## INTERESTS

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- Chess game
- CTF

## Education

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- Bachelor of Computer Engineering  
| EPI Sousse | 2022 - 2025 |
- Integrated Preparatory Cycle | Higher Institute of  
Applied Sciences and Technology, Sousse | 2020 - 2022 |

## PROJECTS

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- Automatic Voice to American Sign Language Translation System
- Resume Job Matching Platform with Feedback Classification
- Neurodevelopmental Disorder Detection Model
- Syndrome Down Detection with Facial Recognition
- Smart Online Working Platform Website
- Polyredac- Copywriting Agency Website
- Patient Recommendation Chatbot
- Quora Comment Classifier (BERT Fine-Tuning)

## ASSOCIATIVE EXPERIENCES

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- 2023-2024 : Vice Present EPI CoPro
- 2022-2023 : President - AJCC Siliana  
Lead technical department EPI CoPro
- 2020-2022 : Member Cyber trace club issatso
- 2021-2022 : Graphic Designer - AJCC Siliana

## Certifications

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- HCIA-AI V3.5
- DeepLearning.io: Advanced ML Algorithms
- LinkedIn/Microsoft: Become a Software Developer
- Oracle Cloud Infrastructure– AI Certified (2023)
- Winner– Coding Moon Event (2024)