



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
 - 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.

Contact

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Linkedin :

<https://www.linkedin.com/in/rayen-abed-545799252/>

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

INTERESTS

- Chess game
- CTF

Education

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

PROJECTS

- 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

- 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

- 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)