



AHMED REBAI

+216 97-416-128 | rbai.ahmed@enis.tn | [linkedin.com/in/ahmed REBAI/](https://www.linkedin.com/in/ahmedREBAI/)

SUMMARY

Engineering student passionate about coding, problem-solving, and teamwork with expertise in Data Science, Big Data, and a systems approach. Seeking an internship in mid-February 2025 to apply academic knowledge and gain hands-on experience. Proven skills in programming, project management, and quick adaptation to new technologies.

WORK EXPERIENCE

Computer Vision Internship, Anavid

Jul. 2024 - Aug. 2024

- Developed a real-time video processing pipeline for detecting and classifying individuals in a retail environment.
- Achieved 98% detection accuracy for individuals and 90% for classification of customers with bags
- Optimized pipeline for deployment with efficient performance on standard hardware.
- Implemented centroid tracking and classification system for real-time video feeds.

Machine Learning Internship, LABORATORY CES

Jun. 2023 – Jul. 2023

- Developed a CNN model to classify four types of brain tumors.
- Used Transfer Learning to Achieve Better results

PROJECTS

Gaze Vector Prediction

- Implemented a model using Transfer Learning with VGG-16 to predict gaze vectors.
- Used CUDA for GPU training, ensuring high performance.
- Evaluated model with angular error metric and provided real-time feedback.
- Utilized PyTorch and Weights & Biases for development and experiment tracking.
- **technologies : Deep Learning, VGG-16, PyTorch, CUDA**

Phishing URL Detection

- Developed a model with XGBoost to detect phishing URLs.
- Applied Recursive Feature Elimination for feature selection.
- **technologies : Machine Learning, XGBoost, TensorFlow**

EDUCATION

EUR-ACE® Engineering Degree in Computer Engineering

Sep 2022 - Present

National School of Engineers of Sfax

Mathematics and Physics

Sep 2020 - Jun 2022

Preparatory Institute for Engineering Studies EL Manar

TECHNICAL SKILLS

- Tools: Git, Docker, Kubernetes, Github
- Languages: Python, JS, Java, C, C++
- Data Science: ML, DL, Reinforcement Learning, LLM, Transformers, Data Cleaning, Computer Vision, TensorFlow, PyTorch
- Soft Skills: Communication, Autonomy, Self-Motivation, Teamwork, Time Management

Volunteer Work & Awards

- Chairman IEEE Computational Intelligence Society CIS
- 2nd Place in National AI Summit Hackathon
- Planning Team Leader Pitch Yourself For A Career

Certification

- Machine Learning Specialization (Coursera)
- Deep Learning Fundamentals (Nvidia DLI)
- Azure AI Fundamentals (Microsoft)