

MECHACHE ELHADJEAHMED

Artificial Intelligence Engineer

Contact Information

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Summary

Results-driven AI Engineer with a strong focus on Deep Learning, NLP, and Computer Vision. Passionate about developing innovative, real-world solutions by applying advanced machine learning techniques from research to deployment. Eager to contribute to challenging AI projects and collaborate with a forward-thinking team.

Technical Skills

- **Programming Languages:** Python, Java, SQL
- **AI & ML Frameworks:** TensorFlow, PyTorch, Scikit-learn, BERT, Transformers, OpenCV
- **Tools & Platforms:** Android Studio, Git & GitHub, Jupyter, Google Colab

Experience & AI Projects

- **Arabic Readability Assessment (2024)**
Engineered a multi-model system to assess Arabic text readability using Deep Learning, statistical frequency models, and BERT-based analysis.
Links: [GitHub](#), [YouTube](#)
- **RetinaGuard – Diabetic Retinopathy Detection (2024)**
Developed an AI system to detect and grade diabetic retinopathy severity from fundus images, integrating Grad-CAM for model explainability.
Links: [GitHub](#), [YouTube](#)
- **Transportly Logistics Platform (2023)**
Designed and developed an innovative Android app to optimize logistics in Algeria by connecting clients with transporters utilizing empty truck returns, significantly reducing costs.
Links: [GitHub](#), [YouTube](#)

Education

- **Master's in Artificial Intelligence (2023 – 2025, In Progress)**
Khemis Miliana University
Advanced coursework in Machine Learning, Natural Language Processing, and Computer Vision.
- **Bachelor's in Computer Science (Graduated 2023)**
Khemis Miliana University
Graduated with a strong foundation in algorithms, data structures, and software engineering.

Achievements

- Participant, IA Quest, Algiers (2024)
- Semi-Finalist, Olympiad in Algiers
- Participant, National Competition in Annaba

Languages

- Arabic: Native
- English: Very Good
- French: Good

Additional Skills

- Ability to work under pressure
- Driving License (Obtained 2019)