MECHACHE ELHADJEAHMED

Artificial Intelligence Engineer

Contact Information

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Summary

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, HTML, CSS, JavaScript, Node.js
- **AI & ML Frameworks:** TensorFlow, PyTorch, Scikit-learn, BERT, Transformers, OpenCV
- **Tools & Platforms:** Android Studio, Git & GitHub, VS Code, Google Colab

Experience & AI Projects

- **Arabic Readability Assessment (2024)**
  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)**
  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)**
  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** (Graduated 2025)
  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

- Semi-Finalist, IA Olympiad in Algiers (May 2025)
- Participant, IA Quest, Algiers (January 2025)
- Participant, IA National Competition in Annaba (April 2025)

Languages

- Arabic: Native
- English: Very Good (EVASCHOL Certificate, 2015)
- French: Good