Curriculum Vitae

Personal Information:

Last Name: ALI BENYAHIA

First Name: Ilyas

Date and Place of Birth: April 16, 2002 – El Attaf, Ain Defla, Algeria

Marital Status: Single

Nationality: Algerian

Occupation: Student

Academic Level: Master 2

University: University of Chlef

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GitHub: github.com/ilyas-ali-benyahia

Address: El Attaf, Ain Defla, Algeria

Academic Qualifications:

- ➢ June 2025: Master's Degree in Computer Science
  Thesis: AI-Powered Multilingual Interactive Learning Platform
  University of Chlef
- ➢ June 2023: Bachelor's Degree in Computer Science
  Project: License Plate Detection and Recognition System
  University of Chlef
- ➢ June 2020: Baccalaureate in Science Stream
  Sidi Bouabida High School, El Attaf, Ain Defla

Research Activities:

➢ International Scientific Publications:

Khoudja Ali-Benyahia*, Mohamed Ghrici, Said Kenai, **Ilyas Ali-Benyahia,** Optimization of Predictive Models for the Nondestructive Assessment of In-Situ Concrete Strength in New Structures Using Artificial Intelligence Techniques (Under Review)

> ## International Scientific Conferences:

Ilyas Ali-Benyahia, Ayyoub Allali, Nassima Bousahba,
AI-Powered Multilingual Interactive Learning Platform (Poster)
1st International Conference on Artificial Intelligence, Smart Technologies and Communications (AISTC 2025)

Languages:
- Arabic (Native)

- French (Fluent)

- English (Intermediate to Advanced)

Technical Skills:
> Programming Languages:

Python, JavaScript, TypeScript
> Frameworks & Libraries:

React, Next.js, Django, Flask, Node.js, Express.js
Chakra UI, Tailwind CSS
LangChain (Agents, Chains, RAG)
> Tools & Technologies:

Git, Docker, AI Tools, LLMs (Large Language Models)
> Databases:

MySQL, PostgreSQL, MongoDB, Supabase
> Project Management & Methodologies:

SCRUM, Agile Methodologies

Projects:
⚏ AI-Powered Multilingual Interactive Learning Platform: Web platform for transforming multimedia educational content into interactive learning tools.

⚏ License Plate Detection and Recognition System: Computer vision system for real-time vehicle identification.

⬥ MERN Stack Book Store: Full-stack web application for managing and browsing books.

⬥ Retrieval-Augmented Generation (RAG) Chatbot Assistant: An intelligent assistant using hybrid search and LLMs.

⬥ Concrete Strength Prediction System: Machine learning-based analysis and optimization for civil engineering applications.

⬥ TranslationManager (Startup Team Project): Platform for managing and automating multilingual content translation.

⬥ PertMaster Web App: Project management tool using the PERT method for task scheduling and tracking (team project).