

BESMALA KHOULOU BOUCHOUIT

AI & Machine Learning Research Engineer (in training)

Constantine, Algeria | +213 0779298130 | khouloud.bouchouit@univ-constantine2.dz | GitHub: khouloudbouchouit-ctrl

PROFESSIONAL SUMMARY

Computer Science student specializing in IT, currently pursuing a Master's in AI and Data Science, with hands-on project experience building machine learning and deep learning applications, including medical classification models and NLP-based tools for Algerian Arabic (Dziri). Combines full-stack development skills (Vue3, Django, Flutter) with a growing foundation in applied ML, aiming to contribute to research-driven AI engineering roles.

TECHNICAL SKILLS

Programming Languages: Python, Java, PHP

Machine Learning / Deep Learning: Applied ML & DL model development (classification, NLP)

Web Development: Vue3.js, PHP, Next.js

Mobile Development: Flutter, Django, PHP

Databases: PostgreSQL, MySQL (relational); MongoDB, Neo4j (NoSQL)

Tools & Platforms: Git/GitHub, Figma

EDUCATION

Master 2, Artificial Intelligence and Data Science | University of Abdelhamid Mehri – Constantine 2 Expected 2027

Bachelor's Degree, Computer Science (IT Specialization) | University of Abdelhamid Mehri – Constantine 2022 – 2025

Baccalaureate of Science, Scientific Stream 2022

MACHINE LEARNING & AI PROJECTS

- Human Activity Recognition (HAR): Developed a machine learning model to classify human activities from sensor/motion data.
- Lung Cancer Classification Model: Built and trained a machine learning classification model to support lung cancer detection.
- Deep Learning–Powered Medical Scan Web App: Designed and developed a web application integrating deep learning models to analyze medical scan images.
- WANLP Project – DziriBERT Tourism Guide: Built an AI-powered Algerian travel assistant using DziriBERT, applying NLP techniques to the Algerian Arabic (Dziri) dialect.

Full project code and documentation available on GitHub (khouloudbouchouit-ctrl).

WORK EXPERIENCE

Voice-Over Actress	Since 2024
Sales Promoter Travel Agency	2025
Social Media Designer	2023
Cashier Supermarket	2023 – 2025

CERTIFICATIONS

- Certificate in AI and Biotech — 2026
- Certificate in Voice-Over Acting — 2024–2025
- French Language Studies, Institut Français (CCF) — 2022–2023
- Certification in Alternative Medicine — 2022

LEADERSHIP & EXTRACURRICULAR INVOLVEMENT

- Member, Mozilla Scientific Club
- Member, X-Media Club (Voice-Over) — Since 2023
- Member, Swimming Club — Since 2024
- Member, various sports clubs — Since 2013

LANGUAGES

Arabic: Fluent (native) | English: C1 | French: B2–C1