

Adam MEDRAGH

— MSc AI Student at INSA Centre-Val de Loire —

Looking for an IT/CS Graduate Program starting from September 2024

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TECHNICAL SKILLS

OS

Ubuntu · Kali · Windows · MacOS

Artificial Intelligence

Tensorflow · Pandas · Scikit-Learn · OpenCV · PyTorch · Flower

Programming Languages

Python · C · Bash · Java · Flutter · Assembly

Databases

mySQL · MongoDB · PostgreSQL

Data Science

Hadoop · Spark

Tools

Git · VSCode · Docker · AWS Services · Agile methodology

CERTIFICATIONS


- CEFR Level: C1, 985/990, **TOEIC**
- Neural Networks and Deep Learning course, **Coursera**
- Intro to TensorFlow for AI, ML, and Deep Learning, **DeepLearning.AI**
- What is Data Science? **IBM**

LANGUAGES

 **English:** Native

 **French:** Native

 **German:** Conversant - B1

 **Arabic:** Basic Knowledge (Reading & Writing)

AWARDS & COMMUNITY INVOLVEMENT

High Five 2022, Bourges

Sport division **President** of the **second largest event** of Bourges in 2022.

Treasurer of the 2021 Poker Student Club, Bourges

Fund management of a major INSA Club developing **Teamwork** & **Self-Awareness**

EXPERIENCE

Machine Learning Engineering Internship, MicroSec Singapore



Mar. 2024- Today

Development of a **cybersecurity framework** based on Machine Learning for authentication and intrusion detection for international clients. Design of models for automatic vulnerability analysis and improved anomaly detection. Successful integration of these models into production.

Python · TensorFlow · RESTful API · Socket Programming · Federated Learning

Deep Learning Engineering Internship, Nuclétudes, ArianeGroup



Apr. 2023 - Aug. 2023

Development and improvement of **object recognition software** on satellite maps, Improvements in temporal performance and development of object class recognition.

Python · Java · OpenCV · PyTorch

AI & Machine Learning Research Activity, University POLITEHNICA of Bucharest

Dec. 2022 - Feb. 2023

Research project in collaboration with professors specialized in Artificial Intelligence aiming to implement a **conversational agent** relying on an AI (Chatbot) for the verification of the veracity of posts in order to protect social network users from the spread of false information. Python · TensorFlow · MongoDB

AI Project Leader, University POLITEHNICA of Bucharest

Nov. 2022 - Feb. 2023

Conception and Creation of a **real-time speech synthesis tool** with a team of three other students. The user transmits his words and the software transcribes them.

Python · TensorFlow · OpenCV

French National Student Entrepreneur Status, PÉPITE Centre Val de Loire



Since Nov. 2022

EDUCATION

Exchange Program specialized in AI — University POLITEHNICA of Bucharest, Romania

Ranked No.1 among Romanian Universities

Sep. 2022 - Feb. 2023

Notable Courses: Machine Learning, Neural networks, Computer Vision, Big Data

Master of Science in IT, minor in AI & Cybersecurity — INSA Centre-Val de Loire

Sep. 2021 - Now

Notable courses:

- o Machine Learning theory - Neural networks, Python
- o Advanced design and object programming - Python, SQL, Java, C
- o Web application design - HTML, CSS, Javascript
- o Algorithm and reasoning - Graph Theory, Network Theory

Intensive Preparatory Courses — Lycée Buffon, Paris

Sep. 2018 - Jul. 2021

Post A-level intense study course in Mathematics & Physics for the competitive entrance examinations to the French 'Grandes Écoles' (the top French highly-selective institutions).

SQL, Python

Scientific Baccalaureate With Honours — Lycée Schuman, Paris Region

Sep. 2015 - Jul. 2018

Equivalent to English A-Levels specialized in Mathematics.