

# ADAM MEDRAGH

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## OBJECTIVE

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MSc AI Student with specialized training and hands-on experience in Artificial Intelligence and Machine Learning. Seeking to leverage ML engineering skills to build intelligent and privacy-safe solutions for TikTok as an ML Engineer. Eager to join the Business Risk Integrated Control team to contribute to the company's innovative and creative mission by addressing evolving challenges in a fast-paced environment.

## EDUCATION

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**Master of Science in IT, minor in AI & Cybersecurity** Sep. 2021 - Present  
INSA Centre-Val de Loire

Notable Courses: Machine Learning theory, Advanced design and object programming, Web application design, Algorithm and reasoning

**Exchange Program specialized in AI** Sep. 2022 - Feb. 2023  
University POLITEHNICA of Bucharest

Ranked No.1 among Romanian Universities

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

**Intensive Preparatory Courses** Sep. 2018 - Jul. 2021  
Lycée Buffon, Paris

Focus: Mathematics & Physics for competitive entrance exams

## SKILLS

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<b>Programming Languages</b>	Python, C, Bash, Java, Flutter, Assembly
<b>Frameworks/Tools</b>	TensorFlow, Pandas, Scikit-Learn, OpenCV, PyTorch, Flower, Hadoop, Spark
<b>Databases</b>	MySQL, MongoDB, PostgreSQL
<b>AI/ML Concepts</b>	Deep Learning, Reinforcement Learning, Transfer Learning
<b>Data Analysis</b>	Time Series, Graph Unsupervised Learning
<b>Platforms</b>	Linux, Hadoop, Hive
<b>Certifications</b>	Neural Networks and Deep Learning, TensorFlow, Data Science IBM

## EXPERIENCE

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**Machine Learning Engineering Intern** Mar. 2024 - Today  
MicroSec Singapore

- Developed a cybersecurity framework utilizing Machine Learning for robust authentication and intrusion detection.
- Designed and integrated ML models for automatic vulnerability analysis, significantly improving anomaly detection.

**Deep Learning Engineering Intern** Apr. 2023 - Aug. 2023  
Nuclétudes, ArianeGroup

- Improved object recognition software for satellite imagery, increasing temporal performance and class recognition accuracy.

**AI & Machine Learning Research Activity** Dec. 2022 - Feb. 2023  
University POLITEHNICA of Bucharest

- Worked on a conversational AI project to check the veracity of social network posts and protect users from misinformation.

## PROJECTS & LEADERSHIP

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**AI Project Leader** Nov. 2022 - Feb. 2023  
University POLITEHNICA of Bucharest

- Led development of a real-time speech synthesis tool, facilitating instant verbal communication to written transcription.

### **Community Involvement**

2021 - 2022

Sport division President, High Five 2022, Bourges

- Coordinated the second-largest event of Bourges, demonstrating management and team leadership skills.

### **LANGUAGES**

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<b>English</b>	Native
<b>French</b>	Native
<b>German</b>	Conversant (B1)
<b>Arabic</b>	Basic Knowledge (Reading & Writing)