



# Aymen Amimoussa

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## ABOUT ME

Driven by a passion for innovation and technology, I am a Master's student in my last semester in Computer Science specializing in Digital Factory 4.0. With a robust background in mathematics and computing, I have honed my skills in machine learning, deep learning, focusing on computer vision and NLP through both academic projects and professional experiences. I thrive on the challenges presented by cutting-edge offers and opportunities, continually seeking roles where I can apply my expertise to real-world problems. Whether developing AI models, implementing sophisticated computer vision and NLP solutions, or integrating complex systems, I am eager to contribute my technical acumen and creative problem-solving skills to dynamic, forward-thinking teams and environments.

## EDUCATION AND TRAINING

### Master degree (Msc) in computer science (Digital Factory 4.0)

*Eötvös Loránd University (ELTE)* [ 01/09/2023 – Current ]

City: Budapest | Country: Hungary | Website: <https://www.inf.elte.hu/en/>

### Bachelor degree (BSc) in mathematics and computing

*Kasdi Merbah University* [ 01/09/2020 – 15/06/2023 ]

City: Ouargla | Country: Algeria | Website: <https://www.univ-ouargla.dz/index.php/en/>

### Workshop/ Fundamentals of deep learning

*NVIDIA*

Website: <https://learn.nvidia.com/certificates?id=10461292fe294d4884fafa465dfe5fd2>

### Introduction to Data and Data Science

*365 Data Science*

Website: <https://learn.365datascience.com/certificates/CC-AE8C7A4017/>

## LANGUAGE SKILLS

Mother tongue(s): Arabic

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Hungarian

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

French

LISTENING C1 READING C1 WRITING B1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

## WORK EXPERIENCE

### AI Software developer

*msg Plaut Hungary* [ 01/07/2024 – 01/09/2024 ]

City: Budapest | Country: Hungary

- Developing and Training AI Models: Creating algorithms and training models for tasks like Image and video analysis and recognition and Autonomous Systems.
- Integrating AI Solutions into Applications: Embedding AI functionalities into software and systems in hardware .
- Data Management and Analysis: Collecting, preprocessing, and analyzing data to train and validate AI models.

### Database administrator intern

**Directorate Province of Ouargla City** [ 10/02/2023 – 28/02/2023 ]

City: Ouargla | Country: Algeria

- Assisted in database maintenance tasks such as data backup, restoration, and recovery procedures.
- Monitored database performance, identified bottlenecks, and optimized queries to enhance efficiency.

### Computer hardware repair technician intern

**Municipality of Ouargla** [ 20/07/2022 – 10/08/2022 ]

City: Ouargla | Country: Algeria

- Diagnosing and troubleshooting hardware issues in desktops, laptops, and peripherals through diagnostic tests and component analysis.
- Performing hardware repairs and upgrades, including component replacements and system enhancements to optimize computer performance.

### Database administrator intern

**Mother and Child Maternity Hospital** [ 20/03/2022 – 05/04/2022 ]

City: Ouargla | Country: Algeria

- Contributed to database maintenance activities including data backup, restoration, and recovery procedures.
- Proactively monitored database performance, pinpointed bottlenecks, and optimized queries to improve operational efficiency.

## AI AND ML PROJECTS

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[ Current ]

**Process Monitoring in Case of Image Processing - CNC Machine**

**Advanced driver-assistance systems (ADAS)**

**Virtual Assistan Using Speech Recognition and OpenAI Models**

**House Prices - Advanced Regression Techniques**

**Caravan Insurance Prospect Prediction**

**Kannada Digit Recognition**

**Regression Car Price Prediction**

## SKILLS

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### Hard Skills

Programing languages (Python, R, Java, C) / Maching Learning and Deep Learning / ML frameworks(Numpy, Pandas, TensorFlow, Scikit-learn, PyTorch, Keras) / Databases, SQL / Computer Vision (Real-time detection & tracking,Image segmentation, video processing) / Deep learning models( CNNs, YOLO, U-Net) / NLP (NLTK, SpaCy, Transformers; text analysis, sentiment, NER, topic modeling) / Advanced Driver Assistance Systems (ADAS) & Sensors

### Soft Skills

Problem Solving / Critical Thinking / Adaptability / Active Learning / Teamwork / Efficiency / Business Planning / Time Management

## HOBBIES AND INTERESTS

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Content creator on social media/ Volunteering/ Sport trainer/ Public speech/ Traveling/ Camping