

# NOUR YAMMINE

COMPUTER AND COMMUNICATION  
ENGINEERING



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Zouk Mosbeh, Keserwan,  
Lebanon

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## Education

2021 - Present

**Notre Dame University Louaize - Zouk Mosbeh - NECHE Accredited**  
**BE in Computer and Communication Engineering - ABET Accredited**

- Cumulative **GPA: (3.92/4.00)**
- Dean's Honor List for all enrolled semesters
- Expected to graduate in **Spring 2026**

2020 - 2021

**BACC II - General Sciences - College Notre Dame de Louaize - Zouk Mosbeh**

- Passed General Sciences official exams with highest distinction (18.33/20)
- Class of 2021 Graduate

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## Internship Experience

June 2025 - August 2025

**Full Stack AI - Aspire Software S.A.R.L**

Worked on end-to-end AI/ML projects combining deep learning, Natural Language Processing, and full-stack development.

- **Computer Vision:** Developed a custom Convolutional Neural Network (CNN) model from the ground up and benchmarked it against YOLOv8 for food detection and calorie estimation. Designed and implemented a React-based User Interface and a Flask API for seamless model deployment and integration.
- **Natural Language Processing:** Curated and annotated a proprietary dataset to train a ROBERTa-based Sentiment Analysis Model for dialogue classification. Built a React frontend and Flask backend to deliver an end-to-end system for real-time sentiment detection.

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## Projects

Fall 2025

**Computer Vision Project – CNN for Hand Sign Recognition**

- Built and trained a Convolutional Neural Network (CNN) to recognize and classify static hand signs in sign language.
- Preprocessed and augmented datasets to improve model generalization and performance.
- Evaluated model results using accuracy, precision, recall, F1-score, and confusion matrices.
- Proposed model refinements to enhance recognition accuracy and accessibility for people with disabilities.

Summer 2024

**Basic implementation of AI models under front end**

- Researched AI models and developed simple neural networks in Python using TensorFlow.
- Incorporated various architectures, including Artificial Neural Networks (ANN), Convolutional Neural Networks (CNN), and Recurrent Neural Networks (RNN).
- Created a Flask API to serve the model, enabling seamless integration with a front-end interface.

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## Professional Skills

- Languages : Arabic (Native Language), English, French, Spanish
- Skilled in MS Office: Word, Excel, and PowerPoint
- Programming Skills: C++, Python, UNIX

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## Social Skills

- Good time management and discipline
- Superior Problem solving and Communication Skills
- Activities: Tennis

**References Available Upon Request**