

# Racha Bahlak

Computer and Communication Engineering Student

As a third-year CCE student with a deep passion for technology, I've built a strong foundation in networking, programming, and AI-driven security. Excited to apply these skills, I'm eager to address real-world challenges in telecommunications, cybersecurity, and machine learning.

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Labweh - Baalbeck, Lebanon

## EDUCATION

### Lebanese University – Faculty of Engineering B.E. in Computer & Communications Engineering

10/2021 - Present

3.5/4

### Lebanese Baccalaureate – General Sciences Labweh's Public High School

09/2018 - 07/2021

18/20

## PERSONAL PROJECTS

### Library Management System (01/2025 - 01/2025)

- Developed a system to manage books, members and transactions.
- Implemented features for management, notification system and transaction tracking.
- Used C# for the Windows Forms application and MySQL for the database.

### Cyber Attack Detection using CNNs (08/2024 - 08/2024)

- Developed a deep learning model using Convolutional Neural Networks (CNNs) to detect cyber attacks in real-time by analyzing network traffic data.
- Achieved 98.96% accuracy in detecting cyber threats.
- Technologies Used: Python, TensorFlow/Keras, Scikit-learn, NumPy, Pandas, Matplotlib

## WORK EXPERIENCE

### Sales & Business Operations Family Business

05/2022 - 09/2023

Baalbeck

Tasks

- Handled inventory and assisted in implementing digital sales tracking.
- Managed business transactions enhancing negotiation skills.

## SKILLS

C/C++, C#, Python, HTML, CSS

TCP/IP, UDP, DNS, DHCP, LTE, 5G, Cisco CCNA1

Matlab, AutoCAD, Autodesk Fusion 360

Cryptography, AI, ML, Deep Learning, Network Security

Strong attention to detail and time management skills.

Problem-Solving & Debugging

## CERTIFICATES

### CCNA 1 (12/2024 - 07/2025)

CISCO

### Offensive Security Course (12/2024 - 06/2025)

Cybersecurity Club - ULFG3

### Cryptography I (10/2024 - 01/2025)

Stanford University - Coursera

### Machine Learning Course (02/2024 - 08/2024)

IEEE Club - ULFG3

### Web Development Course (11/2022 - 06/2023)

IEEE Club - ULFG3

### Social Media Digital Marketing - GIL (10/2019 - 03/2020)

## LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Full Professional Proficiency

French

Professional Working Proficiency