# AMIN BOU NASR

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## EDUCATION

**2020-2023** — **LEBANESE CANADIAN UNIVERSITY (LCU)**

*BACHELORS IN COMPUTER SCIENCE WITH DISTINCTION (BS)*

**2003-2017** — **SAINT JOSEPH SCHOOL CORNET CHEHWAN**
*LEBANESE BACCALAUREATE IN LIFE SCIENCES*

## SKILLS AND COURSES

- Database management systems/Computer organization
- Software Engineering
- Introduction to artificial intelligence
- Mobile development and Mathematics
- Data structures and algorithms
- Networking/Operating system
- Network security and cryptography
- Computer networks
- Web development
- Operating Systems
- Digital Forensics
- Software Development Technics under MATLAB

## LANGUAGES

- Node.js
- jQuery
- SQL
- Java
- PHP
- React
- HTML & CSS
- JavaScript
- C
- C#
- C++
- Python

# PROJECTS

**Army Airport Communication System**
Designed and built a network communication system for air force army covering everything from schemas to servers to cabling.

**Blood Bank Web App**
Built a responsive web app where donors can book appointments and check blood compatibility using Bootstrap, and jQuery.

**ATM/POS Program**
HTML, CSS,
Built an ATM program coupled with a POS system linking bank cards to purchases at merchants after going through a series of security and authentication steps, and checking/setting flags using C++.

**Banking Database Project**
Database linking all parts of a bank from Employees to customers to accounts and transactions using PLSQL.

**Blood Bank Mobile App**
Mobile app developed linking blood bank supplies and appointments to potential donors and recipients using native android (java and an SQLite database endpoint).

**Company Network Configuration**
Designed and configured a complete network system in a company. Configured the 3 layers of communication (PCs, Switches, Routers) using Cisco Packet Tracer.

**Image Processing Using MATLAB**
Performed various operations on images in MATLAB like filter manipulation, image processing, analysis, visualization, and algorithm development. In addition to, image segmentation and enhancement, geometric transformations, and image registration using deep learning and traditional image processing techniques.

**Deepfake Project**
Trained a model to generate images based on a training and validation set after feeding the model with a video that was turned into frames using a python code which yielded a confusion matrix .