# AMAL **MAANNA**

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Seeking a challenging position in a reputed organization where I can learn new skills, expand my knowledge, and leverage my learnings. To get an opportunity where I can make the best of my potential and contribute to the organization's growth.

## EXPERIENCE

**JULY 2019 – SEPTEMBER 2019**
**INTERNSHIP,** OGERO

Learned more about telecommunication platform, fixed LTE, and IMS. Took a hands-on course about what we learned such as cabling and jointing, mapping, fiber optics fundamental, configure access point, DSL and ADSL, VoIP and SIP protocol… A certificate is available.

**SEPTEMBER 2021 – PRESENT**
**TRAINEE,** SE FACTORY

In progress of completing a refresher course for fundamental Computer Science topics that every Software Engineer should be familiar with. These topics include: **Algorithms and Data Structures, Complexity Analysis, Object Oriented Programming, and an Introduction to Relational Databases.**

## EDUCATION

**JUNE 2021**
**MS IN COMPUTER & COMMUNICATION ENGINEERING,** LIU

Graduated as an honor student with GPA of 3.44

**JULY 2018**
**BS IN COMMUNICATION ENGINEERING,** LIU

Graduated with a GPA of 3.05

## SKILLS

- Presentation skills
- Written and oral communication skills
- Fast-learner and excellent organizer
- Leadership and multitasking
- Social work and teamwork
- Confident
- **ARABIC (NATIVE), FLUENT IN ENGLISH, FRENSH (LEVEL 1)**

- Technical research skills
- Analytical Skills
- Complex problem-solving
- Data gathering
- Cooperation
- Detail focus

# COMPUTER SKILLS & LANGUAGES

- **Skills:** Microsoft Word, Excel, PowerPoint, VS Code, Android Studio, VMWare Workstation, MATLAB, NetBeans IDE, Cisco Packet Tracer
- **Languages:** Java, Html, CSS, php, JavaScript, python, MySQL, C++, Assembly, VHDL, and Angular 8 framework
- **OS:** Linux
- **Worked on Arduino and RaspberryPi**

# PROJECTS

### SDR AND NV FOR 5G SYSTEMS | MASTER THESIS

Implemented all 5G network components using OpenAirInterface platform and git repositories in a virtual machine on a Linux operating system after studying the LTE and 5G NR architectures in details.

### HOME AUTOMATION AND SECURITY | SENIOR PROJECT

It focuses on helping users control home appliances, secure house using encryption/decryption method, and prevent accidents.

### ANDROID APPLICATION "INSTATHOUGHTS" | MOBILE APPLICATION COURSE

This app lets the users to add their thoughts and save them into a database.

### WEB APPLICATION "SPORTS CLUB" | WEB PROGRAMMING COURSE

The participant can register in the club and login into his own account that contains his personal info and reserve the available time to practice. The admin's account is already available and he can register/drop any participant.

### DATABASE PROJECT "CLUB PARTICIPATION" | DATABASE COURSE

It's intended to manage the participation in different sports. The system should display for the admin the members' joined clubs and how much each should pay with all the information about each member.

# ACTIVITIES

- Attended LIRA Exhibition 2017, Arduino Workshop 2017.
- Attended SYPLC Congress 2019 that was organized by LIU IEEE Students branch & Young Professionals.
- Presented my senior project at the Engineering Exhibition 2018 done in LIU, Beirut campus.
- Attending GDG (Google Developer Groups) workshops and sessions.