

# KARL IBRAHIM

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## EDUCATION

**School name:** College Saint Joseph Antoura- My final average over 20 was: 17.1/20 2003-2018

**Baccalaureate in:** French Baccalaureate.

**University:** American University of Beirut- Bachelor in computer and communication engineering and minoring in artificial intelligence and applied Mathematics- Cumulative GPA: 3.91/4 or 89.2/100

**Relevant courses:** Computer Networking- Internet Security- Mobile Networks and applications- Data structures (C++)- Programming (Python/Java)- Software engineering- Data Bases- Machine Learning

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## EXPERIENCE

**Mentor Global Consultants,** Dubai, UAE February 2021- present

**Job Title:** Software Engineering Internship

- Worked on the design of many android app interface and the architecture of their database systems.

**Beirut AI Boot Camp,** Beirut, Lebanon

January 2020

**Job Title:** Participants

- Completed the Beirut AI Boot camp, in conjunction with Microsoft which is an intensive training in Artificial Intelligence and Machine Learning.

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## EXTRACURRICULAR ACTIVITIES

**IEEE AUB Club,** Beirut, Lebanon

2019-Present

**Position:** Member at Large:

- I had the chance to work on multiple projects and events: Google Hash Competition- Trivia Night- Snow Camp.

**SPORTS:** Member and Captain of College Saint Joseph Antoura's basketball and badminton team.

**Piano Student,** Jounieh, Lebanon

2007-2017

- Studied the piano in the National Conservatory of Lebanon.

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## PROJECTS

**Project name** –Online Editor

February 2020-May 2020

- With the work of my teammates, we created an online editor application based on a client server connection using java and mysql for database.

**Project name-** Apollo

- A machine learning program that can predict the popularity of a song even before its release, based on many features: duration, rhythm, chord, tonic, etc.

**Project name-** Water distribution system

- A software program that uses different data structures for storing data needed to design and implement the practices that take place in allocation and distribution of water resources.

**Project name-** Network analyzer

- An android application designed on android studio used to analyze the cell specific data received from the serving base station of the cellular network to which the android device is connected. (Operator name- Network Type- Frequency band- Signal Strength...)

**Project name-** IEEE Research Paper on DDos Prevention

- The main objective was to build autonomous solutions against distributed denial of service attacks using advanced machine learning techniques in order to get faster and more accurate analysis on the networks. The simulations were tested on GNS3 simulator using virtual machine

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## WORKSHOPS AND CERTIFICATIONS

**Google Hash Code,** Beirut, Lebanon

March 2019

- Team coding contest which consist of solving an engineering problem proposed by Google.

**Web development boot camp,** online

August 2020

- Completed an online web development boot camp (50 hours) in which I learned how to make REAL web applications using cutting-edge technologies

**CISCO cybersecurity,** online

September 2020

- Completed a 15 hours' introductory course on cyber and internet security on Cisco Networking Academy.

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## SUMMARY SKILLS

**Languages:** Arabic- English- French

**Computer skills:** Python- Java/JavaScript- C++- Mysql- Html- CSS- NodeJS-Matlab-Wireshark-Nmap- Risc V- GNS3- SNORT-VHDL- Pspice -Android studio/Microsoft: world- power point- excel- publisher.

**Soft skills:** Calmness- Team work- Endurance- Leadership- Integrity.

**Interests:** Playing basketball, badminton, piano- reading- hiking.