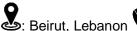# HASAN NIZAM

📍: Beirut, Lebanon 📞 : +96171458559 ✉ : hasan.nizam7@outlook.com 💼 : Hasan Nizam

EDUCATION

2017-Present Lebanese American University
Beirut, Lebanon
     Bachelor of Electrical Engineering and Minor in Economics
     Member of the Lebanese American University Institute of Electrical and Electronics Engineers (IEEE)

2014-2017   National Protestant College
Beirut, Lebanon
     Lebanese Baccalaureate in General Sciences

WORK EXPERIENCE

2021   Mac-Corp
Beirut, Lebanon
     Intern (2 months)
     During this internship I worked on Access Control and Fire Alarm

I gave private tutoring sessions for the following courses : electrical circuits one and two , electronics and power.
I also gave private tutoring sessions for grades 9 till 12 for the following two subjects : math and physics

PROJECTS

- **Digital Door Lock** (2018) :
  - Takes its inputs from switches, opens (turns a green LED on) when we give it the correct pattern (password), turns on a red LED whenever the correct pattern is not given, and has a 7-segment display that displays the number of keys entered from the switches.

- **Solar Tracker** (2019) :
  - PV (Photovoltaic cells) are particular semiconductors that transform visible light into direct current (DC).
  - Solar tracker were two LDRs (sensors), each placed at one side of the solar panel in order to sense the movement of light to the right and left of the solar panel, and a DC motor that is used to move the panel accordingly

- **Color and Shape-Coded Object Detection and Sorting Machine** (2020)
- **Eat Smart Final Year Project** (2021-2022): In order to solve the problem of obesity in the world
  - Using a Raspberry pi , weight sensor , MIT app inventor , lcd and wood board we were able to succeed in doing our final year project.
  - We place the food on the wood board then we see on both the lcd and the application what kind of food is placed using RGB scale and our database which was scanned by the camera of the raspberry pi.
  - Then we get notified from the application if this food matches our blood type and our illness .This application also provides user with diet plan.

SKILLS

Software Skills: Java, HTML, Python, Quartus, PSPICE, AutoCad, GAMS, PowerWorldSoftware,MATLAB and DIALux

Hardware Skills: Raspberry Pi, Arduino, Basic Logic, Electronics Components

Languages: Arabic (Native), English (Fluent), French and German (Basic)

Soft Skills: Adaptability, Time Management, Team Work, Communication, Multi-tasking, Collaboration, Problem-Solving and Analytical Skills

Volunteering:
➢ Logistics & Operations Volunteer for the 8th LAU MAL Final Conference
➢ LAU National AI Day Event Organization Volunteer
➢ Member of the Lebanese American University Institute of Electrical and Electronics Engineers (IEEE)