



# Rita Habib

Milan, Italy

## Profile

Passionate and driven graduate student pursuing a Master of Science (M.Sc.) in Biomedical Engineering, specialized in the track of Technologies for Electronics. Committed to continuous learning and professional development with a genuine interest in understanding the mechanisms that govern human actions and behaviours in hopes of reproducing them in cases where they are lost or damaged.

## Education

Sep 2021 — Dec 2023

Milan, Italy

### Politecnico di Milano

Master of Science (M.Sc.) in Biomedical Engineering

Current GPA: 27.3/30

#### Projects:

- **Analysis of Heart Rate Variability in Neonates (November 2021)** - This project was conducted during the "Biomedical Signal Processing and Medical Imaging" course offered at Politecnico di Milano.
- **Design of a Medical Training System Based On Virtual Reality and GPU Rendering (February 2023)** - This project was conducted during the "Medical Robotics and Computer Aided Surgery" Lab offered at Politecnico di Milano.

Sep 2018 — Jun 2021

Al Koura, Lebanon

### University of Balamand

Bachelor of Science in Engineering (B.Sc.) Electrical Engineering

- Graduated with High Distinction and in the top 5% of the Faculty of Engineering
- **GPA:** 90.33/100 (3.9/4.0)
- **Bachelor's Degree Project:** Implementation of Digital Filters and DSP Algorithms using a dsPIC Microcontroller and MATLAB

## Experience

Sep 2022 — Dec 2022

Milan, Italy

### Politecnico di Milano

**Designed a dashboard for data visualization and classification of a specific pathology for GE Healthcare** - This project was associated to the "Capstone Project" course offered at Politecnico di Milano. The course has limited places, and acceptance is based on a meticulous selection procedure

## Skills

Python

C/C++

SQL

Microsoft Office (Word, Excel, Powerpoint, Access)

Matlab & Simulink

AutoCAD

LabVIEW

Multisim

MPLAB

PROTEUS

Unity

## Languages

Arabic



English



Italian (Basic)

French (Basic)

## Hobbies

Travelling, swimming, and reading.

Jan 2020 — May 2021

## University of Balamand

Al Koura, Lebanon

**Teaching Assistant for Associate Professor Moustapha El Hassan, Department of Electrical Engineering** – During this period, I offered students problem-solving sessions for the Electronics I course. In addition, I participated in office and administrative work.

## Extra-curricular activities

Sep 2019 — May 2021

### IEEE Board Member, University of Balamand

Al Koura, Lebanon

**Board Member in the Institute of Electrical and Electronics Engineers, University of Balamand (IEEE-UOB) Student Branch** - My position in the board was the treasurer. Prior to the COVID lockdown, we would organize seminars and workshops with the sole aim of equipping members with new skills and knowledge.

## Honours and Awards

Sep 2018 — Jun 2021

Awarded Dean's Honors List for outstanding academic achievements throughout my bachelor's at the University of Balamand.