

# Muhammad Ahmad

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## EDUCATION

### AIN SHAMS UNIVERSITY

SENIOR-1 COMPUTER ENGINEERING

STUDENT

July 2023 | Cairo, Egypt

Faculty of Engineering

Cum. GPA: 3.4 / 4.0

### FUTURE 10 SCHOOL

Grad. July 2018 | Cairo, Egypt

## LINKS

Facebook:// [MuhammadAhmad11](#)

Github:// [ZeusDes](#)

LinkedIn:// [muhammadd-ahmad](#)

## COURSEWORK

### UNIVERSITY

Logic Design • C++ Programming • OOP using Java • Computer Organization • Introduction to Embedded Systems • Computer Architecture • Discrete Mathematics • Software Design Patterns

### FINISHED

- Data Structure - UC San Diego University
- Algorithmic Toolbox - UC San Diego University
- Version Control using git - Udacity
- Python for Everybody Specialization - Michigan University
- CS50x - Harvard University and edx

### IN PROGRESS

- Algorithms on Graphs - UC San Diego University
- Web Development boot camp - The App Brewery

## SKILLS

### PROGRAMMING

C • C++ • Linux Shell • Python • Java •  $\LaTeX$

Problem Solving • OOP • Data Structure • Algorithms • Version Control using git •

Familiar with:

- Software Design Patterns

## PROJECTS

### DIGITAL TIMER | LOGIC DESIGN COURSE

Jan 2020 - Feb 2020 | Cairo, Egypt

- We were meant to Design Digital Timer using 555 and Logic gates ICs, 4 7-segments Display.
- I played a role in Designing the Circuit in Proteus and Assemble the ICs on Breadboard According to our Design.

### MATRIX CALCULATOR | C++ PROGRAMMING COURSE

May 2020 | Remote

- Using C++, We made a console program that do basic operations (Transpose, Multiplication, Addition) on matrices.
- I handled Transposing the the input matrix.

### GPS TRACKING SYSTEM | INTRODUCTION TO EMBEDDED SYSTEM

May 2021 – June 2021 | Cairo, Egypt

- Making a GPS Tracking System Using Tiva TM4C123GH and NEO-6M module to track the user location and Calculate the Distance walked by user.
- We used Keil uVision to write embedded-c for Tiva and Solved problems as Calculating Distance between 2 points on earth (Haversine formula) and handled the coordinates error sent by the GPS module.

### ALU DESIGN IN TRANSISTOR LEVEL | DIGITAL DESIGN COURSE

May 2021 – June 2021 | remote

- Using Verilog to Design simple ALU.
- Using Cadence to design transistor level gates.

## EXPERIENCE

### CONNECTED FAMILY - EGYPT | HR RECRUITER

Oct 2018 – June 2019 | Cairo, Egypt

### PIRATES - EGYPT | FUNDRAISING MEMBER

Oct 2020 – June 2021 | Cairo, Egypt

### ASUFE CPC | LEVEL 1 MENTOR

Oct 2021 – Present | Cairo, Egypt

## AWARDS

2021	2 <sup>nd</sup>	GPS Tracking System - University Contest
2021	11 <sup>th</sup> /30	Egyptian Collegiate Programming Contest (ECPC) Locals
2021	Contributor	Hacktoberfest '21