

# Muhammad Ahmad

GitHub: [github.com/ZeusDes](https://github.com/ZeusDes)

Linkedin: [linkedin.com/in/muhammadd-ahmad](https://linkedin.com/in/muhammadd-ahmad)

Email: [muhammadathabet@gmail.com](mailto:muhammadathabet@gmail.com)

Mobile: +201006321132

## EDUCATION

- **Faculty of Engineering, Ain Shams University** Cairo, Egypt  
*Bachelor of Computer and Systems Engineering; GPA: 3.31* *September 2018 - July 2023*  
*Selected Courses: Operating Systems, Data Structures, Design and Analysis Of Algorithms, Database Systems, Software Engineering, Networking, Object-Oriented Programming in Java*
- **Coursera** Remote  
*Alumni Student*
  - **UC San Diego:** Algorithmic Toolbox, Data Structures — Sep '21
  - **Michigan University:** Python for Everybody Specialization — Aug '20
  - **Harvard University:** CS50 — Jul '20

## SKILLS SUMMARY

- **Programming Languages:** C/C++, Java, HTML, CSS, SQL, Bash, Python
- **Frameworks:** QT, Basics of Flask
- **Tools:** QT Creator, Git, GitHub, MySQL, SQLite, Basics of electron.js
- **Technical Skills:** Data Structures, Algorithms, OOP, SDP, Relational Databases Design, Basics of Sockets
- **Soft Skills:** Leadership, Good Communicator, Problem Solver, Time Management, Eager to learn

## EXPERIENCE

- **\_VOIS — Explore Intern** Smart Village  
*Software Engineer Intern* *Aug 2022 - Sep 2022*
  - **Web Development:** Learned React and contributed in Java Development team.
  - **Automation:** Contributed in process Automation team using python.
- **ASUFE CPC — Level 1 Mentor** Remote  
*Student Mentor (Part-time)* *Oct 2021 - Present*
  - **Instructor:** Explaining well-known algorithms to solve a broad range of problems.
  - **Problem Setter:** Design a weekly problem set to cover the topic explained during the week.

## PROJECTS

- **Simple Marketplace (Web Development, Sockets, Database Design) — Jun '22:**
  - I Contributed in the creation of GUI, also, I Developed the module Managing User Credit Balance .
  - **Tech:** HTML, CSS, JS, Java & electron.js
- **Railway Management System (Web Development, Database Design, Software Design) — May '22:**
  - Designed Use case, Swimlane and Sequence Diagrams for the System. also, I've Developed User registration module.
  - **Tech:** Python, Flask, MySQL, HTML & CSS
- **CPU Scheduler (Desktop Application Development, CPU Scheduling Algorithms, OOP) — Apr '22:**
  - Created a module which schedules processes on Round-Robin and FCFS Basis. Contributed in preemptive algorithms.
  - **Tech:** QT , C++, QTest
- **XML - JSON Converter (Desktop Application Development, Data Structures, Algorithms) — Feb '22:**
  - Developed a module which converts XML Tree into formatted JSON. Contributed in developing the application GUI.
  - **Tech:** QT , C++
- **Topology-API (OOP, Unit Testing) — Jan '22:**
  - An API that Provides the functionality to Access, manage, store and delete device Topology written in java.
  - **Tech:** Java, Jackson JSON Library & JUnit5
- **Function Plotter (Desktop Application Development, Algorithms, Unit Testing) — Jan '22:**
  - Created an application that prompt simple Mathematical Expression then Validate, Evaluate and Plot it.
  - **Tech:** QT, QCustomPlot, C++, QTest & CPPCheck

## AWARDS AND CONTRIBUTIONS

- University Contest on Best Functioning GPS Tracking System — 2nd Place Award. *(June, 2021)*
- ECPC21' University Locals — 11th Place. *(August, 2021)*
- 101 Linux Commands eBook — Contributed to an open source eBook available on GitHub as a part of Hacktoberfest21. Tech: Markdown, Bash (October '21)

## VOLUNTEER EXPERIENCE

- **HR Recruiter — Connected Family** Cairo, Egypt  
*Managed to select the top-performing students to attend our free workshops.* *Oct 2018 - July 2019*  
*Skills earned: Attention to Details, good communication Skills, Multitasking*