# Ahmed Mubarak

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## SUMMARY

As a CS student with a passion for software engineering, I am particularly interested in backend development. I enjoy working with databases, APIs, and other backend technologies to create efficient and scalable applications. With a strong foundation in programming principles and data structures, I am always seeking new challenges to expand my knowledge and skills. I am excited to connect with other professionals in the industry and contribute to innovative software projects.

## EXPERIENCE

### Software Engineering Trainee
**alx_africa**                                                                          **December 2022 – Present,  Remote**

Skills: REST APIs · Flask · Relational Databases · Python (Programming Language) · Data Structures · C (Programming Language) · Git · Bash · Problem Solving

### Trainee
**Information Technology Institute (ITI)**                              **August 2023 – September 2023,  Cairo, Egypt · Remote**

I've gained valuable insights into HTML, CSS, JavaScript, ES6, and React.

## PROJECTS

### Know Your Professor
https://github.com/ahmedhsin/knowyourprof · September 2023 –October 2023
· Full-stack development expertise: Leveraged React for front-end and Flask for back-end.
· Implement a RESTful API with clear endpoint design, robust security measures, and thorough documentation for seamless integration into the project.
· Employed ORM (Object-Relational Mapping) system to streamline and simplify database query handling, enhancing the efficiency of data management.
· Employed JSON Web Tokens (JWT) for secure authentication, bolstering user data protection and access control.

### Mini Wasalny
https://github.com/ahmedhsin/mini-wasalny · November 2022 - January 2023
· Team Leader, Design & Architect of Software.
· Employ SFML and Qt.
· Build a visualizer for graphs.

### Self-Diagnosis System
https://github.com/ahmedhsin/self-diagnosis-system · December 2021 - January 2022
· Divide tasks among team members.
· Design the program workflow.
· Implement and design the diagnostic function.
· Build the GUI using WinForms.

## EDUCATION

### Bachelor of Computer Science, Computer Science
Computer Information Science Ain Shams · 2025 · 3.688

## SKILLS

**Industry Knowledge:** Algorithm Design, Algorithm Analysis, Artificial Intelligence (AI), Object-Oriented Programming (OOP), Object Oriented Design, Software Development, Data Structures, Web Development

**Tools & Technologies:** HTML5, css3, JavaScript, React.js, REST APIs, Flask, Relational Databases, Python (Programming Language), Java, C (Programming Language), Git, Bash, C++

**Interpersonal Skills:** Problem Solving

**Languages:** Arabic, English