

# Ahmed Hossam

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## Education

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### Suez Canal University

BACHELOR OF COMPUTER SCIENCE AND INFORMATICS

Ismailia, EG

2019 — 2023

## Experience

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### bld.ai

SOFTWARE ENGINEER (PART-TIME)

Remotely

November 2022 - January 2023

- Developed web extensions to enhance user experience and functionality
- Created web scripts to automate data management and integration with Google Sheets

### bld.ai

SOFTWARE ENGINEER INTERN (FULL-TIME)

Remotely

July 2022 - November 2022

- Proficient in HTML, CSS, JavaScript, and React JS for Front-End development
- Experienced in Python, Django, and SQL for Back-End development
- Built a functional Udemy website using React JS ([GitHub - Udemy Website](#))
- Developed a script to fetch data from the live Udemy website

## Volunteer Experience

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### ICPC Suez Canal Community

COMMUNITY HEAD

- Contributed to community-driven projects aimed at enhancing efficiency, such as the [ICPC-SCU Scoreboard](#) project available on GitHub.
- Authored contests and created two Ramadan Challenges, accessible at [contests](#) and [make two Ramadan Challenges](#) respectively.
- Created sessions and study materials available at [Sessions & Sheets](#).

### TROSC Suez Canal University

IT HEAD

- Wrote articles on various IT topics.
- Mentored participants in workshops on IT skills and technologies.
- Presented as a speaker in multiple events, delivering informative talks on IT subjects.

### GDSC Suez Canal University

IT MEMBER

- Created a [playlist](#) demonstrating the connection between Discrete Mathematics and Computer Science.
- Developed a playlist for learning C++.

## Projects

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### Etlaas

REACT NATIVE

- Developed a cross-platform app using React Native, integrating machine learning algorithms for statue recognition.
- Proficient in creating responsive and localized applications.
- Implemented efficient fetching of information with pagination using context, states, and refs.
- Created documentation for Android app and conducted unit testing on GitHub, utilizing project boards.
- Designed and developed an entertainment game within the app.
- Centralized all backend calls in an abstracted class to ensure a well-structured and organized application.

### Portfolio

REACTJS - BOOTSTRAP - HTML - CSS - JS

- Developed a personal portfolio using React JS and Bootstrap.

### Board Generator for ICPC Community

PYTHON

- Generate boards for ICPC Community trainees to track their progress on practice sheets.

### Tic-Tac-Toe with GUI

JAVA - GUI

- Developed a Tic Tac Toe GUI game using Java, offering the option to play individually against the computer or with a friend.

## **Sorting Algorithms Visualizer**

PYTHON - GUI

- Developed a Python-based GUI sorting algorithms visualizer showcasing various algorithms (e.g., bubble sort, merge sort) with algorithmic information. Supported multiple programming languages. Source code available on GitHub.

## **Competitive Programmer's Calendar**

PYTHON - API

- Developed a competitive programming calendar application using Python API to remind users of upcoming contests by integrating with Google Calendar.

## **Stress Testing**

PYTHON - BASH

- Stress Testing for competitive programming

## **Skills**

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**Languages** C, C++, JavaScript, HTML, Python, Java

**Frameworks** Django, React JS, React Native

**Miscellaneous** Git, Shell, Bash, LaTeX, Mark Down, Microsoft Office, Google (Sheet/Documents/Presentation)

**Operating Systems** Windows, Linux

**Tools** GitHub, GitLab, Trello, Scripts, API, Figma, Swagger

**concepts** Problem-Solving, Competitive Programming, Data Structure, Algorithms, OOP

**Soft Skills** Communication, Collaboration, Problem-solving, Adaptability, Leadership, Time management

## **Honor & Awards**

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### **Egyptian Collegiate Programming Contest**

- 26<sup>th</sup> place — ECPC 22'
- 48<sup>th</sup> place — ECPC 21'

### **Arab & African Collegiate Programming Contest**

- 56<sup>th</sup> place — ACPC 22'
- 76<sup>th</sup> place — ACPC 21'

## **Certificates**

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- **Git and GitHub from Google**
- **Hacker rank Problem-Solving (Intermediate)**
- **Hacker rank Problem-Solving (Basic)**
- **Python Programming Basics**
- **Programming Foundations: Databases**
- **Digital Marketing (Google)**

## **Competitive Programming Profiles**

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- **Codeforces: 7oSkaaa**
- **Leetcode: 7oSkaa**
- **Codechef: ahmed\_7oskaa**
- **Atcoder: ahmed\_7oSkaa**
- **ICPC Profile: Ahmed Hossam**

## **Languages**

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**Arabic** — Native

**English** — Fluent