

# Mazen Ghanayem

(+20) 120 153 7387 | [mazenghanayem1@gmail.com](mailto:mazenghanayem1@gmail.com) | Ismailia, Egypt

[github.com/Mazen-Ghanayem](https://github.com/Mazen-Ghanayem) | [linkedin.com/in/mazen-ghanayem/](https://linkedin.com/in/mazen-ghanayem/) | [leetcode.com/Mazen\\_Ghanayem/](https://leetcode.com/Mazen_Ghanayem/)

## Summary

---

I am a highly motivated Computer Science student with a strong passion for competitive programming and software engineering. Proficient in various programming languages and algorithms, with a track record of success in coding competitions. Seeking to leverage my technical skills and problem-solving abilities to pursue a career as a software backend engineer, where I can contribute to innovative projects and grow professionally.

## Education

---

**Suez Canal University Ismailia, Egypt**

**Bachelor's degree, Computer and Information Sciences.**

Oct 2022 – Present

- **Current Year:** Fourth Year      **GPA:** 3.59 / 4.0

**EPIC Institute of Technology**

**Diploma in Real Time Backend**

Aug 2025 – Sep 2026

## Experience

---

**Information Technology Institute**

**Technical Ambassador CS50 Program** (Seasonal)

Jan 2024 – Present

- Guided +3000 learners through the CS50 curriculum by leading sessions and providing clarifications on course concepts.
- Assisted students in overcoming challenges presented by the course, ensuring a deep understanding of key topics.

## Achievements

---

- **Leetcode Guardian:** Achieved a maximum rating of 2212, placing me among the top 1% competitors.
- **Codeforces Expert:** Achieved a maximum rating of **1786** on Codeforces, demonstrating strong problem-solving and algorithmic skills.
- **ACPC 2024 Competitor:** Successfully solved 7 challenging problems during the ACPC 2024.
- **ACPC Qualification:** Qualified for **ACPC 2024** after excelling in the ECPC Qualifications and ECPC 2024. [ECPC Qualifications 2024](#) & [ECPC 2024](#).
- **ACPC Qualification:** Qualified for **ACPC 2025** after excelling in the ECPC Qualifications, securing 3rd in the whole day and solving 7 problems in ECPC 2025.
- **HackerRank:** Earned **Golden Badges** in **C/C++** and **Problem Solving** on [HackerRank](#).
- **Codechef 5-stars:** Achieved a maximum rating of 2044 with 5 stars.
- **ITI CS50 Training:** [Harvard University CS50](#) & [ITI Training CS50](#).
- **Meta Hacker Cup:** [Meta Hacker Cup 2023 Round 2](#) & [Meta Hacker Cup 2024 Round 2](#) & [Meta Hacker Cup 2025](#).
- **NUCPA Competition:** Participated in the NUCPA Competition, securing 23 out of 400 teams.

## Skills

---

- **Personal Skills:** Time management, Problem Solving, Collaborative Problem Solving
- **Languages:** C/C++, JavaScript, HTML, CSS, SQL, Python
- **Technologies:** Flask, Django, Node.js, Express, MongoDB, Mongoose, WebSockets, Socket.io.
- **Operating Systems:** Windows, Linux (Ubuntu)
- **Technical Skills:** OOP, Algorithms, Data Structures, REST API, CP, Problem Solving.
- **Tools:** Git, GitHub, GitLab, Markdown, Latex, Docker, GitHub Actions, Jest (Unit Test).
- **Spoken Languages:** Arabic (Native), English (Conversational).

## Volunteer Experience

---

### Judge | ECPC Qualifications 2025 Day 1

- I was one of the judges for the ECPC Qualifications 2025 day 1.

### Judge | Ethiopian Collegiate Programming Contest (EthCPC) 2025.

- I was one of the judges for the EthCPC 2025.

### Vice Head | ICPC SCU Community

Aug 2024 – Present

- Expanding my role as an IT member to be responsible not only for IT affairs but also the whole community affairs and events.
- Responsible for community management and training to prepare the trainees to participate in ECPC and other competitions and to do well in these competitions. [Public Sessions](#)

### IT Member | TROSC

Oct 2022 – Present

- The IT Committee in TROSC is responsible for spreading awareness about technology and programming, guiding students in any programming field, providing valuable sessions for students, and writing the scripts for programming-related articles and videos.

### IT Member | ICPC SCU Community

Jul 2023 – Aug 2024

- Mentor and instructor for level 0, 1 and level 2 trainees, guiding them in problem-solving, critical thinking, and understanding of data structures and algorithms.
- Skillfully create problems using codeforces polygon and organize local programming contests for trainees to assess their comprehension of each topic. [Codeforces-Problems](#)

## Projects

---

### Maze of Death

[Github Repo](#)

- Engineered a core component for a real-time multiplayer First-Person Shooter (FPS) game in a team environment.
- Focused on optimizing performance by researching and implementing architectural changes (e.g., WebRTC) to drastically reduce game latency and ensure a smooth user experience.
- Backend Technologies: Node.js, Express, Socket.IO (WebSockets).

### Collaborative Online Editor

[Github Repo](#)

- Team project developing a real-time collaborative text editor, focusing on high-concurrency data synchronization, Implemented Conflict-Free Replicated Data Types (CRDTs).
- Real-Time Backend: Node.js, Express, and Socket.IO.

### BOOK MARKET CS50x Final Project

[GitHub Repo](#)

- Developed a web application for book trading using Flask and integrated the Google Books API for fetching book data.
- Implemented secure user authentication, session management, and database functionality with SQLite.
- Technologies: Flask, SQLite, Google Books API, Bootstrap, Python, HTML, CSS.

### Blog Website

[Github Repo](#)

- Built a Blog website for managing browsing, writing, and editing blogs.
- Technologies: Django, HTML, CSS, SQLite, ORM.

## Profiles

---

- [Mazen Mohamed \(icpc.global\)](#)
- [Mazen Ghanayem - Codeforces](#)
- [Mazen Ghanayem - AtCoder](#)
- [Mazen Ghanayem | HackerRank](#)
- [Mazen Ghanayem | CodeChef](#)