Mohamed Fathy Mohamed Hassan

📞 Phone: **+201552619425** | ✉ Email: **mohamedfathyisc@gmail.com**

in LinkedIn: **linkedin.com/mohamedfathy** | ⭘ Github: **github.com/mohamedfathy**

PROJECTS

- **Word IN Word Web Application**
  - Link: **https://github.com/rag-nar1/Word-In-Word-Typing-Site**
  - a user-friendly web application designed to create an optimal environment for honing your typing skills.
  - The general goal is to boost your typing speed and accuracy.
  - main focus revolves around words that focus on the letters you find least accurate in your typing attempts.
  - Backend built on Django framework.
  - The database contains over 9000 words.
  - Front-end developed using JavaScript, HTML, and CSS.
- **Hotel Reservation System**
  - Link: **https://github.com/rag-nar1/Hotel-reservation-system**
  - Spearheaded the implementation of Object-Oriented Programming (OOP) principles and advanced file-processing techniques in C++
  - Composed 100% of the source code for a comprehensive overhaul, establishing a highly efficient system
  - Orchestrated key functionalities, including adept file reading and management of records
  - Leveraged two CSV files for optimal data handling and seamless system operation.
- **Escape Hatch**
  - Link: **https://github.com/rag-nar1/escape-hatch**
  - Designed and implemented the "Escape Hatch" game for the ODC hackathon
  - Utilized SFML for game development
  - Crafted 500 lines of code to address geometric and algorithmic challenges
  - Successfully completed the project within an impressive 2-day timeframe
  - ODC hackathon: excelled in solving coding problems, game development, and working within a team

EDUCATION

- **Bachelor's degree in computer and Information Sciences.**   **Oct 2021 - Present**
  SUEZ CANAL UNIVERSITY   **Ismailia - Egypt**
- Relevant Coursework: C, C++, Python, Java, JavaScript, HTML, CSS, Data Structures and Algorithms, OOP, Probability & Statistics, Linear Algebra, Databases, Mysql, Networks.

Skills

- ***Programming***
  GO - Django - Mysql - Sqlite - Postgresql - Duckdb - Relational Databases - Javascript - HTML - CSS - JavaScript - Git - Github - Web scraping - Data Structures - Algorithms - C - C++ - Python - Java
- ***Miscellaneous***
  Linux - SOLID - OOD - Software architecture

VOLUNTEER EXPERIENCE

IT and mentor Member ICPC SCU community   Oct 2022 - Present

- Mentoring trainees at levels 0, 1, and 2, with a specific focus on fostering comprehension of data structures and algorithms.
- Conducting informative sessions on competitive programming topics tailored to each proficiency level, aimed at providing a comprehensive learning experience.
- Utilizing Codeforces Polygon to create and prepare a collection of 20 programming contest problems, designed to challenge and enhance thinking and solving skills among participants.

Certificates

- **The 2025 ICPC ACPC Finalist: 6DBPGLWLQZJS.**
- **Python Programmer Bootcamp 365 Data Science: CC-15F736AB3A.**
- **Introduction to Back-End Development Coursera: QXJJLTHJKBCQ**
- **Programming in Python Coursera: 5Q5KR3DF3AUQ**
- **Version Control Coursera: 3BG4DC8SANLV**
- **Introduction to Databases Coursera: JM8JD8RQYTJ7**

Languages

- **English - Advanced**
- **Arabic - Native**