

Mohamed Fathy Mohamed Hassan

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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.

PROJECTS

- **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 in the seamless operation of the system.
- **Contest Maker**
 - Link: <https://github.com/rag-nar1/contest-maker>
 - Orchestrated the development of a Python script.
 - Designed the script to seamlessly create contests on Codeforces using web scraping.
 - Leveraged the Selenium library to achieve 100% compatibility with project objectives.
 - Developed functionalities enabling the (select, add, update, delete) operations for contests and problems
 - Implemented a feature allowing users to save contests into a new mashup within their account
 - Ensured efficient management by storing all changes in a single text file
- **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.

Skills

- **Programming**
Django - Mysql - Relational Databases - Javascript - HTML - CSS - Git - Github - Web scraping - Data Structures - Algorithms - C - C++ - Python - Java - OOP
- **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 2022 ICPC ECPC Qualifications 15th place: [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