Omar Sanad
Software Engineer

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SUMMARY

A third-year student at the Faculty of Computer and Informatics with a passion for competitive programming showcased through active participation on platforms like Codeforces, LeetCode, and AtCoder. Seeking an internship opportunity in software engineering to further develop practical skills and contribute to real-world projects.

EDUCATION

Suez Canal University   [2021- present]
Computer Science   Ismailia - Egypt

TECHNICAL PROJECTS

Traveling Website [Front-End]   github.com/OmarSanad3/Practical-Web-Project

- Spearheaded a **front-end project** with faculty peers, showcasing expertise in **HTML, CSS, and JavaScript**.
- Implemented **responsive design** principles to optimize user experience across **devices**.
- Leveraged **GitHub** for **version control**, fostering **teamwork** and enhancing **communication skills**.

Hotel Reservation System [Python - File Structure]   github.com/OmarSanad3/Hotel-Reservation-System

- Executed a Python project focused on **file handling**, showcasing mastery in **input/output operations**.
- Developed expertise in **reading/writing files**, proficiently managing various **file formats** and **data structures**.
- Engaged in **hands-on learning**, acquiring deep understanding of **file management** concepts and sharpening **problem-solving abilities** in **Python**.

Learn About Animals [Flutter - Dart]   github.com/OmarSanad3/learn-about-animals

- Developed a **Flutter project** to educate children about animals, fostering **engaging learning**.
- Ensured **code quality** through **clean coding**, enabling **comprehension** and facilitating **enhancements**.
- Implemented **OOP principles** in project design, advocating **modularity** and **reusability**.

SKILLS

Programming Languages: C, C++, Python, JavaScript (JS), Java, Dart, Flutter, HTML, CSS
Operating Systems: Windows, Linux (Ubuntu, Manjaro)
Programming Concepts: Object Oriented Programming (OOP), SOLID Principles, Data Structures, Algorithms, Problem-Solving, Competitive Programming, Networking
Tools and Technologies: Version Control (Git, GitHub), LaTeX, Regular Expressions (Regex), Markdown, Database (MySQL)

LANGUAGES

- **Arabic** (Native)
- **English** (Advanced)

COMPETITIONS AND ACHIEVEMENTS

- Ranked 3rd place at ECPCQ 2023   icpc.global/ICPCID/X9GPQWCTI9SH
- Successfully Qualified to ECPC 2023
- Qualified to Meta Hacker Cup'23 Round 2 and Ranked 1784th
- Meta Hacker Cup Certificate   facebook.com/codingcompetitions/hacker-cup/2023/certificate/1268145003895201
- Solved +1600 problems on Codeforces   codeforces.com/profile/Omar_Sanad
- Solved +600 problems on Leetcode   leetcode.com/Omar_Sanad

VOLUNTEER EXPERIENCE

ICPC SUEZ CANAL COMMUNITY
IT Head

- **Conducted** educational sessions on **data structures** and **problem-solving techniques** for trainees, **fostering** proficiency in **foundational concepts**.
- **Played** a **key role** in **curating** problem sets for **PCPC**, **ensuring relevance** and **quality** in **challenges**.
- **Oversaw IT team assignments**, **ensuring smooth execution** of **community operations**.
- **Enhanced functionality** and **user experience** on the **ICPC SCU platform**, **facilitating seamless interaction** among **members**.