Raneem Mohammed AbdelRazek

Nasr City| Cairo, Egypt | (+02) 01007350910 | Raneem.Abd.elrazeek@gmail.com
GitHub: https://github.com/Roneri8iny

Objective:

As a current undergraduate junior in Computer & Information Science, I am a highly motivated and detail-oriented individual with a passion for innovation and learning. I am seeking an opportunity to enhance my skills and knowledge in the field of Cyber Security. My objective is to leverage my education and experience to contribute to a dynamic organization while gaining valuable experience and realizing my full potential.

Education:

- Faculty of Computer & Information Science, Ain Shams University (Sep 2021 – Present)
  - CGPA: 3.752 (A-)
- Tala'e El-Kamal Islamic Language School (2006 – 2021)

Programming Languages:

- C++
- C
- C #
- Python

Courses:

- Web Development Course Using:
  - HTML
  - CSS
  - JavaScript

Projects:

OLX – Marketplace:

- Project Description: A database system similar to OLX, using Oracle SQL. This project involved creating a database schema, designing tables, and creating the interface using Oracle Forms Builder. Through this project, I gained valuable experience in database design and implementation, as well as proficiency in Oracle SQL.
- Languages used: Oracle SQL

Vaccine Tracking System:

- Project Description: The system was designed to track the vaccination process for Egyptian residents, and included features such as user registration, personal record management, and basic statistical analysis. I also implemented an admin login feature, which allowed administrators to view and delete user records, as well as access basic statistical information such as the percentage of people who have received one or both doses of the vaccine.
- Languages used: C++.
- Skills: OOP, Data Structures
- Project Link: https://github.com/Roneri8iny/Vaccination-Tracking-System.git

ECLAT Algorithm Implementation:

- Project Description: The Eclat algorithm, short for Equivalence Class Clustering and Bottom-Up Lattice Traversal, is a fundamental method for frequent itemset mining in

transactional databases. It efficiently discovers associations among items by identifying sets of items that frequently occur together in transactions. This project aims to implement the Eclat algorithm, providing a robust tool for mining frequent itemsets from transactional data.
  - Languages used: Python.
  - Project Link: https://github.com/Roneri8iny/ECLAT-Algorithm

- Faculty Operating System:
  - Project Description: This project aims to add functionalities to an already existing Faculty Operating System. Some of these functionalities were memory management, fault handling and scheduling.
  - Languages used: C.
  - Project Link: https://github.com/nody77/OS-Project

- Tiny Language Compiler:
  - Project Description: The Tiny Language is a simple programming language often used as a learning tool for compiler construction and programming language design. This project aims to implement the scanning phase and parsing phase of a compiler for Tiny Language.
  - Languages used: C # using .NET Framework.
  - Project Link: https://github.com/nody77/Tiny_Language_Compiler

- Plagiarism Validation System:
  - Project Description: This project is an optimized system to enhance the efficiency of plagiarism detection tools. It focused on filtering out insignificant matches and cyclical patterns to present evaluators with the most impactful similarity matches. This was achieved through identifying all connected plagiarism cases and refining these cases by removing cycles using a Maximum Spanning Tree (MST) approach.
  - Languages: C # using .NET Framework.
  - Project Link: https://github.com/mennaraslan/Algorithm-Project

Student Activities:

- I am an active member of the technical department in Cyberus Stud, a student-run organization that focuses on cybersecurity. Through this organization, I have had the opportunity to participate in various workshops related to cybersecurity, where I have gained knowledge and skills in areas such as network security, cryptography, and ethical hacking.
- Participations:
  - Instructor in a Web Secure Coding Workshop
  - Instructor in a Wireless Security Workshop
- CTFs Write-Up Links:
  - https://github.com/Roneri8iny/CyberTalents-CTF-Write-Ups.git
  - https://github.com/Roneri8iny/bWAPP-WriteUps.git