charbel khabbaz

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👤 Profile

I am an enthusiastic engineering sophomore student at LAU, deeply passionate about the fascinating realms of mathematics, physics, and programming. With a thirst for knowledge and a drive to explore the intricacies of these disciplines, I find immense joy in solving complex problems and uncovering the underlying principles that shape our world. As I pursue my studies, I am also actively working towards specializing in cybersecurity, aiming to contribute my skills and expertise to safeguarding digital systems and information. Through my journey as a student, I continuously strive to expand my skills, broaden my horizons, and make meaningful contributions to the ever-evolving fields of science, technology, and cybersecurity.

🎓 Education

BE - Computer Engineering, *Lebanese American University*   2022 – 2026
Current CGPA 3.83, Dean's Distinction List
Clubs: IEEE Artificial Intelligence and Google Developer Student

Lebanese Baccalaureate - General Science, *Institut Père Michel Khalifé*   2008 – 2022
Grade: 18/20

🧠 Skills

- Java
- Python
- JavaScript
- HTML
- CSS/ SCSS
- Git/Github

🌐 Languages

- Arabic
- French
- English

📁 Projects

- **Fibonacci Sequence Generator and Analysis**
  o   Developed a program to generate the Fibonacci sequence using iterative, recursive, and memoization techniques, showcasing proficiency in programming and problem-solving..
  o   Implemented advanced algorithms to analyze key properties of the sequence, such as even/odd distribution, prime number analysis, and approximation of the golden ratio.
  o   Utilized data visualization techniques to create informative plots and graphs, demonstrating data analysis skills and the ability to present complex mathematical concepts visually.

- **Netflow Project**
  o   Analyzed netflow data to identify network traffic patterns
  o   Gained experience with Cisco routers and switches.
  o   Learned about network protocols and security