

Khaled Akra

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📍 Saida , Lebanon

👤 Khaled Akra

Profile

Currently pursuing a degree in Software Engineering at 42 Beirut . I am passionate about problem-solving and innovation, thriving in collaborative environments. Eager to contribute to impactful projects while continuously growing and learning in the tech industry.

Education

2024/06 – present **42 Ecole**
Beirut, Lebanon

High School Equivalent Degree
Saida Technical School
Information Technology Degree.

Projects

Minishell

Developed a lightweight shell environment . Implemented core functionalities including command execution, environment variable management, and process handling. Gained hands-on experience with system calls, signal handling, and parsing, while enhancing my skills in C programming and Unix-based systems.

Philosophers

Implemented the "Dining Philosophers" problem, focusing on thread synchronization and deadlock prevention. Designed a simulation where philosophers alternated between eating, thinking, and waiting for resources while avoiding starvation and race conditions.

Push Swap

Designed and implemented a sorting algorithm in C. Developed an efficient solution to sort a stack of integers using a limited set of operations, focusing on algorithm optimization and memory management. Enhanced my problem-solving skills and deepened my understanding of data structures and algorithm complexity.

Skills

Linux

C Language

Fast Adapter And Learner

HTML, CSS, JS

Languages

• Arabic - Native

• English