

Fares Moustafa Moawad

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Professional Summary

Driven Computer Engineering student with a strong foundation in software development and a keen interest in AI, seeking an internship to apply and expand technical skills.

Education

German University in Cairo (GUC) – Cairo, Egypt Sep 2023 – Present

Bachelor of Science in Computer Engineering

Al-Ekhlas School – Kuwait Sep 2011 – May 2023

Technical Skills

- Languages: Java, Python, Prolog, Haskell, C
- Concepts: Object-Oriented Programming (OOP), Algorithm Design, Functional Programming, Logic-Based Programming
- Soft Skills: Problem Solving, Team Collaboration, Adaptability

Projects

- **Jackaroo Game Simulation (Java)-GUC**
 - Designed and implemented a single-player version of the Jackaroo board/card game.
 - Developed game mechanics: marble movement, turn-based logic, winning conditions, and CPU behavior simulation.
 - Applied object-oriented principles to manage game flow and custom rule sets.
- **Course Scheduling Assistant (Prolog)-GUC**
 - Created a logic-based scheduling assistant to help students build conflict-free course timetables.
 - Ensured non-overlapping schedules and enabled flexible student preferences, including desired days off.
- **Railway Network System (Haskell)-GUC**
 - Modeled a railway network as a weighted directed graph using adjacency matrices.
 - Implemented Dijkstra's algorithm to compute the shortest paths between stations.
 - Built functions dynamically represent stations and rail connections with cost-based traversal.

Languages

- Arabic: Native
- English: Fluent
- German: Beginner (eager to learn)

Extracurricular Activities

GDG Club (University)

Actively participating in Google Developer Group events and workshops to expand technical expertise.