Abdelrahman Mohamed

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Education

Cairo University	September 2020 - Jun 2024
B.S Computer Science	Cumulative GPA: 3.18/4.0

Experience

- Applying Design Patterns to Projects written.
- Design, code, test, analyze, evaluate, debug and document application programs in Java, c++, php, js, python.
- Maintain and enhance existing code and database schemas.
- Experience in: Web Development, SQL, OOP, Design Patterns, SOLID principles, Data Structure and Algorithms.
- Good dealing with APIs (Restful API).
- I am seeking to develop my experience and knowledge in software and competitive programming.
- Experience with continuous integration tools, like GIT (github)

Independent Projects

Fawry System([phase1](#) , [phase2](#))
- Applied design patterns and SOLID principles in this project using java.
- Applied develop web services and APIs (test APIs by postman).
- A service to check if the user exists or not. This service returns all user info if exists Input: email and password.

Library database
- Applied concepts of database (Characterstic of Relations,Types of DB constraints, SQL, ERD,EER, Applying Databbase Normalization).
- Software Application using c# programing language.
- Built a database using **MySQL.**

Online Shopping System
- Applied OOP principles using c++.
- Seller can print his info, add item, sell an item, print an items, find an item by ID.

Data Structures implementation
- Build data structures implementation using c++;

Extra-Curriculars

- **Contestant at International Collegiate Programming contest 2021,2022**.
- Solved 700+ problems combined on Algorithms & Data Structures in C++.