Amir Tarek

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WORK EXPERIENCE

Full Stack Intern   Jul 2022 - Nov 2022
[Bld.ai](#)   Remote, US

- Developed courses website using React.js
- Implemented crud app using Django and used postman for testing the API
- Learned how to use templates, create a database model, upload pictures and create an authentication system which all were used to build blog website using Django

Backend Intern   Jul 2023 - Sep 2023
[Talabat](#)   Maadi, Cairo, Egypt

- Learned C# and .NET for backend development in microservices architecture
- Worked on a feature named "Automating Campaigns" and contributed to company production code
- Implemented unit and integration tests and applied SOLID/ACID principles to ensure code quality
- Worked in an agile environment to deliver iterative and impactful solutions

PROJECTS

[**Marvel Ultimate War Game**](#)   Feb 2022 - Jun 2022

- Game developed using java (OOP, GUI(JavaFX))

[**Matches Management System**](#)   May 2022 - Jun 2022

- Web application for managing matches (Node.js, Express.js, SQL server, docker, EJS, JavaScript)

[**Event Management System**](#)   Nov 2022 - Nov 2022

- Python-based project for an IEEE event at the university, generating QR codes containing attendees information extracted from a CSV file

[**SMPL-DBMS**](#)   March 2023 - May 2023

- Java-based database engine with Octrees Indices support and SQL statement processing

ACHIEVEMENTS

- Ranked **67th** in High school over +300000 students
- Awarded partial scholarship for academic excellence in the German University in Cairo
- solved **+500** problems on various online judges

SKILLS

Java, Python, Javascript, C, C#, Data Structures, Algorithms, OOP, Problem Solving, Html, Css, Node.js, .Net, Django, SQL, Postgres, mongoDB, Git, Docker, Linux, TDD, Design Patterns, Agile Methodology
Bonus skills: Prolog, Haskell, React.js, data analysis, web scraping

EDUCATION

The German University In Cairo   Cairo, Egypt
Bachelor of Engineering (B.E.) - Computer Science and Engineering   Oct 2020 - June 2025
*Current cumulative GPA: **3.78** (American Scale), **A***

STUDENT ACTIVITIES

ICPC GUC Community   Nov 2020 - Present

- Mastered a diverse range of algorithms including searching, sorting, BFS, DFS, and applied advanced problem-solving techniques such as dynamic programming

IEEE GUC Student Branch

Data Analysis Committee Member   Nov 2021 - Jul 2022

- Learned how to visualize and clean the data using python libraries: pandas, numpy and matplotlib

Software Committee Member   Oct 2022 - Jul 2023

- Acquired comprehensive knowledge of software principles, undertaking collaborative team projects involving backend tasks utilizing Node.js and frontend tasks leveraging React.js, while consistently delivering high-quality results