

Youssef Ashraf

Computer Science

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Profiles

🔗 [Youssef-Ashraf2099](#)

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Summary

Motivated and detail-oriented Computer Science student at a German international university with hands-on experience in software development, problem-solving, and team collaboration. Proficient in Java and C++ with an interest in creating innovative software solutions, video games, and applications. Actively involved in academic, extracurricular, and professional projects that showcase both technical expertise and leadership skills.

Experience

German University in Cairo Cairo
Volunteer Teaching Assistant

Guided school students through small project creation, fostering understanding of basic programming concepts and teamwork

German International University New Capital
Volunteer Teaching Assistant Junior

Guided first-year students through understanding basic programming concepts and practicing problem-solving

Programming Contests Participant Alexandria

Participated in the ECPC and other competitive programming events, honing algorithmic thinking and problem-solving under 6 hours of pressure with my team of 3 leading them in the contest

Education

German International University October 2023-Present
1.9 B+ Computer Science

- Expected Graduation: June 2027
- Second-year student with strong academic performance and active participation in university projects and programming contests

Projects

Attack on Titan Themed Tower Defense Game

Java, JavaFX
[🔗 https://github.com/Youssef-Ashraf2099/AOT-game.git](https://github.com/Youssef-Ashraf2099/AOT-game.git)

Designed and implemented a game to apply object-oriented programming (OOP) principles, showcasing creativity and coding skills.

OOP, Programming, Data-Structure, GUI

Educational-platform

ASP.net
[🔗 https://github.com/Youssef-Ashraf2099/Educational-platform.git](https://github.com/Youssef-Ashraf2099/Educational-platform.git)

- Created the Entity-Relationship Diagram (ERD) to structure and visualize the database architecture.
- Developed and implemented the backend, ensuring efficiency
- Designed and built the frontend interface to provide an intuitive user experience
- Led a team, managing tasks, facilitating collaboration, and ensuring project deadlines were met.

Process Scheduling System

Java
[🔗 https://github.com/Youssef-Ashraf2099/my-Kernel.git](https://github.com/Youssef-Ashraf2099/my-Kernel.git)

- Designed and developed a process scheduling system using Java to simulate process execution through text files.
- Implemented Round Robin and Shortest Job First (SJF) algorithms to manage and schedule
- Ensured accurate simulation of process execution and resource management using algorithmic logic.
- Optimized scheduling flow and performance, demonstrating an understanding of process management

Soft Skills

Problem-Solving	Critical-Thinking	Leadership	Work under pressure	Adaptive
Teamwork	Communication			

Technical Skills

Programming Languages: Java, C++,Bash,C#,Python,Javascript	Frameworks and Libraries: JavaFX,Unity,ASP.Net	Technology
data structure, problem solving, programming, OOP, Object Oriented Programming, scripting	webapp, game dev, desktop app	MSQL, Git tool, GitHub, Docker