Abdelrahman Ashraf

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Summary

Computer and Systems Engineering student at Helwan University, graduating in July 2028 with distinction (89%). Proficient in Java, C++, and JavaScript. Experienced in scalable desktop application development and version control. Strong understanding of software engineering principles and system design. Collaborates effectively within teams and delivers solutions on schedule.

Education

Bachelor of Computer and Systems Engineering　　　　　　　　　　　　　*Expected Jul 2028*

Helwan University – Faculty of Engineering
Specialization: Software Engineering
Academic standing: Distinction (89%)

Experience

Frontend Intern – Digital Egypt Pioneers Initiative (DEPI)　　　　　　*July 2025 – Present*

- Developed responsive and dynamic web interfaces using React
- Collaborated in a team environment to build and improve user-facing features for real-world applications.
- Applied front-end best practices, including component-based architecture and Git version control.
- Optimized performance and enhanced user experience through efficient rendering and interactive UI elements.

Extra Activities

Volunteer Mentor – HEFU-CPC (Competitive Programming Community)　　*Feb 2025 – Present*

- Delivered weekly workshops to 15+ students on data structures, algorithms, and problem-solving.
- Mentored beginners and fostered a collaborative learning environment.

Certifications

Sprints x Microsoft Summer Camp - Web Development (Sprints)	Link
Legacy JavaScript Algorithms and Data Structures (freeCodeCamp)	Link
Programming with JavaScript (Meta)	Link
Supervised Machine Learning: Regression and Classification (DeepLearning.AI)	Link

Skills

Technical Skills:

Programming Languages: JavaScript, Python, Java, C++
Frameworks/Technologies: HTML, CSS, Spring Boot, Node.js
Databases: MongoDB, SQLite
Concepts: OOP, SOLID Principles, Design Patterns, Data Structures & Algorithms
Tools: Git, GitHub

Soft Skills:

Problem-Solving, Teamwork & Collaboration, Adaptability, Time Management, Communication

Projects

Smart City Platform (Java)　　　　　　　　　　　　　　　　　　　　　　Link

- Collaborated in a 5-person team to build a desktop app integrating E-Commerce, chat, weather, and map services.
- Built modular, scalable architecture using Spring Boot, JavaFX 21, WebSocket, and MongoDB.
- Designed dynamic user roles: resident, service provider, and administrator.

Supermarket Management System (C++)

- Collaborated on team building the desktop system for inventory, sales, and employee management.
- Reduced manual error by 40% using structured OOP and persistent SQLite integration.