

# Abdelrahman Ashraf

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## Summary

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Computer and Systems Engineering student at Helwan University, graduating in July 2028 with distinction (89%). Skilled in JavaScript and React with experience in building responsive, user-friendly web applications. Strong foundation in front-end development, OOP, and software design principles.

## Education

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### Bachelor of Computer and Systems Engineering

*Expected Jul 2028*

Helwan University – Faculty of Engineering

Specialization: Software Engineering

Academic standing: Distinction (89%)

## Experience

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### Frontend Intern – Digital Egypt Pioneers Initiative (DEPI)

*Jul 2025 – Present*

- Built responsive web interfaces with React and Bootstrap, and Tailwind, improving load times by 25%.
- Developed reusable components, reducing code duplication by 30%.
- Implemented optimized rendering and interactive UI elements, increasing user engagement.

## Extra Activities

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### Mentor – HEFU-CPC (Competitive Programming Community)

*2024 – Present*

- Delivered 20+ workshops to 15+ students on algorithms and problem-solving.
- Increased participant accuracy on practice contests by 35% through structured training.
- Supported beginner programmers in applying data structures and algorithms effectively.

## Certifications

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### Sprints x Microsoft Summer Camp – Web Development

[Link](#)

### Legacy JavaScript Algorithms and Data Structures – freeCodeCamp

[Link](#)

### Programming with JavaScript – Meta (Coursera)

[Link](#)

### Supervised Machine Learning: Regression and Classification – DeepLearning.AI

[Link](#)

## Skills

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- **Languages:** JavaScript (ES6+), Python, Java, C++
- **Frameworks/Technologies:** React, Spring Boot, Node.js, Bootstrap, Tailwind CSS
- **Databases:** MongoDB
- **Developer Tools:** Git, GitHub, Postman
- **Concepts:** OOP, SOLID Principles, Design Patterns, REST APIs, Data Structures & Algorithms
- **Soft Skills:** Problem-solving, team collaboration, adaptability, continuous learning

## Projects

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### Smart City Platform (Java)

[Link](#)

- Collaborated in a 5-person team to build a desktop app integrating e-commerce, chat, weather, and map services.
- Designed role-based access (resident, service provider, admin) for 3+ user groups.
- Scaled system to support 100+ concurrent users in testing with Spring Boot and MongoDB.

### Supermarket Management System (C++)

- Built inventory, sales, and employee management system with SQLite database.
- Reduced manual entry errors by 40% and transaction time by 30%.
- Implemented reporting features to track sales and inventory in real time.