

# Amr Mahmoud

Full Stack Web Developer

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## Summary

Computer Science student with experience in full-stack web development and competitive programming. Skilled in developing cross-platform applications using Python, JavaScript, and modern frameworks including Flask and Laravel. Fast learner, adaptable, detail-oriented, and able to work well in team environments, with a focus on delivering high-quality solutions efficiently.

## Education

### Bachelor of Science in Computer Science and Information Technology

*Egypt Japan University of Science and Technology (E-JUST)* 2023 – 2027 (Expected)

- GPA: 3.58/4.0
- Current Level: 3rd Year
- Full Scholarship Recipient through Innovators Support Fund (ISF)

## Technical Skills

**Programming Languages:** Python, C++, Java, PHP, MATLAB, Kotlin, JavaScript

**Web Technologies:** HTML, CSS, Flask, Laravel, Node.js

**Tools & Platforms:** Git, GitHub, Linux, VS Code, Electron, IntelliJ

**Core Concepts:** Object-Oriented Programming, Data Structures, Algorithms, Problem Solving, API, Software Development LifeCycle

**Languages:** Arabic (Native), English (Upper Intermediate), Japanese (N5)

## Professional Experience

**IT Field Intern:** *Egypt Japan University of Science and Technology (E-JUST)* July 2024 – Present

- Developed backend solutions using PHP Laravel framework for university website
- Enhanced Course Catalogue functionality
- Learning networking fundamentals through CCNA course path

**Android Development Trainee:** *Digital Egypt Pioneers Initiative (DEPI)* July 2024 – Present

- Learned Java fundamentals including OOP concepts and exception handling
- Studied Kotlin programming with focus on syntax and Java interoperability

## Projects

### Task Manager with GUI:

GitHub

- Built real-time system monitoring application using Electron and Flask
- Implemented interactive GUI for CPU, memory, and process monitoring
- **Technologies:** JavaScript (Electron, Node.js), Python (Flask), HTML, CSS

### Project U - University Recommendation System:

GitHub

- Developed university recommendation platform for student academic path selection
- Team project following software engineering best practices
- **Technologies:** Python (Flask), HTML, CSS, JavaScript

### Second Order Differential Equation Solver:

GitHub

- Created automated solver for differential equations using Cauchy-Euler and Variation of Parameters methods
- **Technologies:** MATLAB

## Achievements

- **ICPC 2024:** Ranked 31st among participating teams
- **Problem Solving:** Solved 100+ problems on CodeWars
- **Full Scholarship:** Recipient through Innovators Support Fund (ISF)