

OMAR AHMED ALI

Computer Engineering Student | Software Developer

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🔗 Portfolio: omarahmedportfolio.vercel.app 🌐 GitHub: <https://github.com/omarrahmeddd>

PROFESSIONAL SUMMARY

Computer Engineering student with GPA 3.7 and strong knowledge of Data Structures and Algorithms. Experienced in frontend development using HTML, CSS, and JavaScript and passionate about building clean, responsive web interfaces and writing maintainable code.

Currently seeking a Software Engineering Internship to gain real-world experience.

EDUCATION

Bachelor of Computer Engineering – Semester 6

Arab Academy for Science, Technology & Maritime Transport (AASTMT)

GPA: 3.7 / 4.0

TECHNICAL SKILLS

- | | | | |
|--------|--------|--------------|------|
| • HTML | • CSS | • JavaScript | • C |
| • C++ | • Java | • Python | • C# |

LANGUAGES

Arabic

Native

English

Very Good

PROJECTS

Huffman File Compression (C++)

- Developed a high-performance tool for file compression and decompression using the **Huffman Coding** algorithm.
- Implemented efficient **Binary Trees** and **Priority Queues** to optimize data processing and memory management.

Internet Connection Checker (JavaScript)

- Built a real-time web utility to monitor network status and notify users of connectivity changes.
- Implemented **DOM manipulation** and asynchronous logic to ensure a responsive and seamless user experience.

Personal Portfolio (HTML, CSS, JavaScript)

- Designed and deployed a professional, responsive website to showcase technical projects and skills.
- Optimized the interface for mobile and desktop devices and hosted the live site on **Netlify**.

RELEVANT COURSEWORK

- **Problem Solving & Algorithms:** Strong foundation in analyzing complex problems and implementing efficient solutions using **C++** and **Java**.

- **Data Structures:** Proficient in using **Trees, Graphs, and Hash Tables** to optimize data storage and retrieval.
- **Object-Oriented Programming (OOP):** Applied advanced concepts like **Inheritance** and **Polymorphism** in various software projects.
- **Database Management Systems:** Understanding of relational database design and SQL.