

Omar Alkathlan

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Profile

A highly motivated Computer Science student at **King Saud University** with a **GPA of 4.84/5.0**. Passionate about **software development and problem-solving**. Proficient in multiple programming languages and frameworks, with experience in building web applications. Excited to continuously expand my skills and contribute to innovative solutions.

Education

2021 – 2025 **Bachelor of Science in Computer Science**
King Saud University

Skills

Programming languages Java, JavaScript, Python, C, C++	● ● ● ● ●	Frameworks Node.js, Express.js, React	● ● ● ● ●
Web development HTML, CSS, Javascript	● ● ● ● ●	Database SQL, Firebase	● ● ● ● ●

Projects

E-Commerce Platform

Built a fully functional e-commerce web platform using **React, Node.js, and Firebase**. Implemented **user authentication, product listings, and a bidding system**.

GPU-Accelerated Sorting Algorithm

Designed and implemented a high-performance sorting algorithm for decimal numbers using **NVIDIA GPUs**, achieving a **95% performance improvement** over traditional sequential Radix sorting.

Languages

Arabic Native	English Fluent (<i>IELTS Score: 7.0</i>)
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Interests

Competitive Programming Problem-solving and algorithm optimization.	Web Development Building scalable, efficient, and user-friendly web applications.
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