

Abdulrahman Alghamdi

Computer Science

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PROFESSIONAL SUMMARY

Computer Science student focused on enhancing technical competencies and gaining real-world experience. Highly motivated, detail-oriented, and committed to achieving excellence in both academic and professional environments.

WORK EXPERIENCE

Summer Training Trainee – KAU High Performance Computing Center (HPC Center)
King Abdulaziz University — Summer 2025 (June – August)

- Completed an intensive 8-week training program in High Performance Computing (HPC).
- Gained hands-on experience in Linux system administration, Bash scripting, and virtualization.
- Participated in cluster installation, configuration, and management tasks.
- Worked directly with HPC infrastructure, scheduling systems, and advanced computing applications.
- Strengthened technical and research skills by engaging in real-world HPC operational workflows.

EDUCATION

Bachelor of Computer Science

King Abdulaziz University, Jeddah (2021 – present)

GPA: 4.88

SKILLS

Technical Skills: Python, AI, Linux, Linux System Administration, Bash Scripting, Clustering Installation and Management, Virtualization, HTML, CSS, PHP, Java, SQL.

Non-Technical Skills: Communication, Teamwork, Problem Solving, Adaptability, Critical Thinking

Languages: Arabic (Native), English (Professional Working Proficiency)

PROJECTS

- **Adoptopia Database System** – Developed a system to manage adoption of pet processes efficiently.
- **Car Rental System** – Designed and implemented a vehicle rental management solution.
- **AI Chatbot for Restaurant Customer Support** – Developed an AI chatbot to handle multiple customer queries simultaneously and improve response time.
- **Computer Lab System** – Built a system to manage scheduling and equipment usage in labs.
- **Restaurant Simulation System** – Simulated restaurant operations in Java using semaphores and mutexes to manage synchronized interactions.

- **Client-Server Character Counter** – Built a Java app using sockets to count character occurrences with real-time communication and input validation.
- **Mstaml Platform Redesign** – Improved UI/UX of an e-commerce site by simplifying layout and enhancing navigation for better user experience.
- **3D Islamic Design Animation (WebGL)** – Created 3D animated Islamic patterns using JavaScript, WebGL shaders, and transformation matrices.
- **Digital Watch Using Logic Circuits** – Designed a digital watch circuit using logic gates, counting registers, and LED displays based on digital logic.