

Abdulrahman Sharqawi

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Projects Portfolio: abdulrahman-sharqawi.com

Education

King Fahd University of Petroleum and Minerals (KFUPM)

Bachelor of Science in Computer Engineering, Concentration in Cloud Computing

Dhahran, Saudi Arabia

Sep 2021 – Dec 2025

Awards and Achievements:

GPA: 3.88/4

- 1st place – KFUPM Sustainable and Smart Campus 2024 Hackathon (20+ teams)
- 3rd place – KFUPM Math Factorization Competition (50+ students)

Experience

Solutions by STC

Cloud & Digital Standard Products Intern (Summer Training)

Riyadh, Saudi Arabia

Jun 2025 – Aug 2025

- Developed the Knowledge Base and rebuilt front-end UI/UX with Angular, improving navigation and responsiveness on domains.solutions.com.sa.
- Proposed and launched Microsoft 365 bundled with Domain Name Registration (DNR), expanding the product line.
- Designed optimized VM architecture, reducing cloud costs by SAR 200K+ for CNTXT.
- Built an OpenAI-powered domain name suggestion tool for DNR users.

SparkCraft

Founder & 3D Printing Specialist

Dhahran, Saudi Arabia

Oct 2024 – Present

- Founded SparkCraft (salla.sa/SparkCraft), offering custom 3D printing and Fusion360 modeling services.
- Served 200+ clients and showcased projects to 650+ attendees.
- Led hands-on 3D printing workshops and exhibitions at KFUPM.

Innovation-HUB (I-Hub) at KFUPM

Electronics and Prototyping Assistant (Part-time)

Dhahran, Saudi Arabia

Aug 2025 – Dec 2025

- Assisted in teaching basic electrical circuit session with [Ammar Abo-Karm](#).
- Assisted students in troubleshooting electronics, circuit design, and 3D modeling projects.
- Proposed 25 new lab equipment upgrades to enhance prototyping capabilities.

Center of Students Success at KFUPM

Video Editor (Part-time)

Remote

Jan 2025 – Jun 2025

- Edited 150+ zyBooks videos under Dr. [Husni Almuhtaseb](#).
- Produced KFUPM's official [introduction video](#) using DaVinci Resolve.

Retm Tutoring Program

Math and Calculus Instructor (Freelance)

Remote

May 2024 – Dec 2024

- Tutored 300+ students and produced 150+ math and calculus videos on [Retm](#).

College of Mathematics and Computing at KFUPM

Mathematics Teaching Assistant (Part-time)

Dhahran, Saudi Arabia

Sep 2023 – Dec 2023

- Assisted in teaching Algebra and Trigonometry to 40+ students.
- Supported faculty-student communication for better engagement.

Extracurricular Activities

Cloud FPGA Acceleration Research (RES 201)

Undergraduate Researcher

Dhahran, Saudi Arabia

Aug 2025 – Dec 2025

- Researched FPGA-based SmartNICs to accelerate VPN infrastructure in the cloud.
- Implemented a golden model and assisted COE302 with FPGA design.

Fabrication Club KFUPM (Fab Lab)

Electronics Department Lead

Dhahran, Saudi Arabia

Jan 2024 – Jan 2025

- [Designed and assembled an electronics workstation](#) for student projects.
- Led hands-on electronics and 3D printing sessions for new members.

KFUPM Computer Club

Communications Event Coordinator

Dhahran, Saudi Arabia

Aug 2023 – Dec 2023

- Organized a Virtual Machines Networking workshop for 50+ students.
- Collaborated with professors and designers for smooth execution.

Soum

Product Management Trainee (Job Shadowing Program)

Riyadh, Saudi Arabia

Mar 2023

- Proposed a WhatsApp API to improve product tracking; validated through 50+ user research under [Meshal Alsaleem](#) and implemented in the next sprint.