

Malak Alotaibi

Computer Science Student

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PROFILE

I'm an ambitious third-year Computer Science student specializing in Artificial Intelligence, including Machine Learning, Deep Learning, and Computer Vision. Alongside my passion for AI, I am also interested in web development and strive to build modern, user-friendly applications. I enjoy combining creativity with technical skills to deliver innovative solutions that make a real impact. I am committed to volunteering and continuous learning, always seeking opportunities to grow and contribute positively to the community.

Education

B.sc in Computer Science
Umm Al-Qura University – Al-Jumum
2023 – (Expected Graduation: 2027)

SKILLS

- Programming Languages
(Python, Java, SQL, HTML, CSS, Java Script)
 - Figma
 - Machine Learning
 - Deep Learning
 - Computer vision
 - Web development (Front end)
- Problem Solving
 - Team Collaboration
 - Analytical Thinking
 - Self-learning & Initiative

Volunteer Experience

Student Guide & Content Contributor Manar Initiative – in collaboration with Alkato Platform <ul style="list-style-type: none">• Participated in an awareness campaign to introduce the College of Computing's academic programs.• Guided students in selecting specializations and contributed to content for a student-support website.	04/2025 – 07/2025
Volunteer – Public Relations & Project Management Keptar Community – Awontech <ul style="list-style-type: none">• Supported PR efforts by engaging with partner organizations and enhancing collaborations.• Contributed to technical training and helped in planning and managing internal projects.	01/2025 – Present

Courses

- Artificial Intelligence Fundamentals - IBM
- Fundamentals of machine learning - Microsoft
- AI Bootcamp - Artificial Intelligence Governance Association
- Fundamental AI Concepts - Microsoft
- AI Bootcamp - Goggle Developers Students Club PMU

PROJECTS

Smart Lighting Control using Hand Gestures Developed a lighting control system using Arduino Uno and computer vision techniques. The system detects the number of raised fingers through a webcam and controls lights accordingly. Utilized the cvzone library with its HandDetector module for image processing, and PySerial for serial communication with Arduino. Technologies: Python, Arduino, OpenCV, cvzone, PySerial	10/2024 – 11/2024
SDAIA Database Design Project Created a relational database model for managing SDAIA's internal structure, including departments, employees, projects, and task assignments. Focused on efficient design of relationships and integrity constraints using RDBMS principles. Core Concepts: ER modeling, relational design, normalization, SQL (logical schema)	01/2025 – 02/2025
Burn Degree Classification Using CNN Built a deep learning model using Convolutional Neural Networks (CNN) to classify burn severity from user-uploaded images. Designed a Tkinter-based interface for real-time image upload and feedback. Technologies: Python, TensorFlow, CNN, Tkinter	03/2025 – 04/2025
Tech Way – Front-End Project Developed a web-based platform using HTML, CSS, and JavaScript to guide beginners in exploring tech career paths. Built interactive features including a landing page, career quiz, and learning roadmaps for fields like Web Development, Cybersecurity, AI, and more. Collaborated with a teammate to strengthen front-end development skills and create a beginner-friendly resource.	07/2025