

Faisal Almansour

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PROFILE

Ambitious Computer Science student with a passion for web development and cybersecurity. Eager to continuously learn new technologies and contribute to impactful projects in the tech industry. Focused on pursuing a career in cybersecurity while developing versatile skills through hands-on projects and problem-solving experiences.

EDUCATION

Imam Mohammed ibn Saud Islamic University

Expected July 2025

Bachelor of Computer Science

4.42 out of 5 GBA

SKILLS

Programming Languages: Python, Java, C++, Nodejs

Web Development: HTML, CSS, JavaScript

Backend: Express

Database Management: MongoDB

Languages: Fluent in English & Arabic

Soft skills: Team Collaboration, Leadership, Effective Communication, Problem Solving.

CERTIFICATIONS

Web Development – Dr. Angela

Comprehensive training on modern web development technologies and best practices, including HTML, CSS, and JavaScript. Gained hands-on experience in building responsive and interactive web applications.

Mastering C++ – Dr. Mostafa

In-depth course covering advanced C++ programming concepts, including object-oriented design, memory management, and performance optimization. Focused on developing robust and efficient C++ applications.

Binary Exploitation

Independently mastered binary exploitation techniques, including buffer overflows, stack smashing, and return-oriented programming. Utilized tools such as GDB, Pwntdbg, and Ghidra for debugging and analyzing binary code. Capable of developing Python exploitation programs to further apply and enhance debugging skills.

EXPERIENCE

Graduation Project: AI-Powered Early Detection of Diabetic Retinopathy

Feb 2025 (Present)

- Developed a web app for doctors to classify retinal images into five diabetes severity levels.
- Used TensorFlow for model training and Flask for deployment, achieving 97% accuracy.
- Presented the tool to healthcare professionals, receiving positive feedback for real-world applications.

E-Commerce Website

Feb 2024 - Jun 2024

- Built a full-stack e-commerce website with REST API for database operations.
- Focused on front-end development to improve responsiveness and user experience.

Simple Reliable File Transfer Protocol with UDP and Acknowledgments

Sep 2023 - Dec 2023

- Developed a reliable file transfer app using UDP, with packet sequencing, ACKs, and retransmissions.
- Implemented file splitting, metadata exchange, and simulated packet loss to ensure robustness.

ALU Circuit Design Project

Apr 2022 - Oct 2022

- Designed ALU circuits for 1-bit, 8-bit, and FA-1bit operations using Verilog.

A Guide MPA for Students on Campus

Jan 2021 - Dec 2023

- Developed a guidance map app for campus building navigation using HTML, CSS, and JavaScript for frontend, and ExpressJS, mongoose, NodeJS for backend.
- Implemented multi-floor navigation and improved visitor experience