Layan Mohammed Alharbi

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Professional Summary

Dedicated third-year Computer Science student at Umm Al-Qura University with an impressive academic record (GPA: 3.73/4.00) and a strong passion for Artificial Intelligence, software development, database management, and web design. Proficient in Python, Java, and database technologies, with experience in developing efficient systems and producing detailed software documentation. Actively pursuing continuous learning through certifications in AI, cybersecurity, and advanced Python techniques, alongside academic and personal projects. Committed to utilizing knowledge and creativity to drive impactful technological solutions.

Objective

To obtain a COOP training opportunity where I can apply and enhance my technical and interpersonal skills, while contributing to innovative software solutions and impactful projects. Additionally, I aim to gain practical experience in areas related to my Computer Science major.

Education

Bachelor of Computer Science
Faculty of Computing, Umm Al-Qura University | GPA: 3.73 out of 4

Personal Skills

Communication, Leadership, Teamwork, Problem-solving, Critical Thinking, Time Management, Creativity, Adaptability

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Technical Skills

Programming
Proficient in Java (including JavaFX), Python, HTML, JavaScript, and CSS for developing efficient, user-focused software solutions. Skilled in designing optimization algorithms, as well as designing and implementing data structures for efficient data handling and manipulation.

Databases
Skilled in SQL for database creation, management, and query optimization.

Networks and Systems
Familiar with Cisco Packet Tracer for simulating network setups, designing, and troubleshooting network topologies. Experienced with Linux for system management and scripting.

Tools and Documentation
Proficient in UML Diagramming for software documentation, experienced with Git for version control and collaboration, and skilled in Overleaf for creating professional documents and reports.

Languages

Arabic: Native
English: Fluent

Courses & Certifications

Oxford Academy: English Course Level 5A (B2) | September 2021
Saudi Space Commission: Summer Camp | August 2022
Huawei: Artificial Intelligence Course | July 2023
BSF: Business Etiquette | October 2023
BSF: Emotional Intelligence | October 2023
BSF: Effective Communication | October 2023
IBM: Cybersecurity Fundamentals | November 2024
University of Michigan: Python Basics | November 2024
University of Michigan: Neural Networks and Deep Learning | November 2024
University of Michigan: Improving Deep Neural Networks | November 2024

Projects

Created Software Requirements Specification (SRS), Software Design Document (SDD), and User Manual for comprehensive software development documentation.

Designed and implemented a simple HTTP server using Unix command-line tools for efficient handling of client requests.

Developed a Java-based compiler capable of identifying and notifying users of syntax errors during code compilation.

Built a MySQL database project, designing and managing relational databases for practical data storage and retrieval solutions.

Developed a responsive HTML website, incorporating interactive features, dynamic content, JavaScript, and CSS to enhance user experience

Built an application using JavaFX, featuring an intuitive graphical interface.

Competitions

Quran Track Hackathon, Hajj and Umrah Hackathon, Innovation Challenge for Hajj and Umrah

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Experience

Professional Supervision Program | Banque Saudi Fransi | May 2026
Enrolled in a program by Umm Al-Qura University, aligned with Vision 2030, to prepare students for the job market. In partnership with Banque Saudi Fransi, it focuses on skill development in banking, including training courses and a group project

IEEE Umm Al-Qura University Student Branch | Media Committee Member | June 2025
Present As a member of the Media Committee, I contribute to the creation of advertisements, publishing, and media coverage for the branch's events and activities.