



Hussein Ali Hasan

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• Profile

Motivated 3rd-year Computer Engineering student at the Lebanese American University with a solid foundation in networking, computer architecture, software development, and hardware systems. Strong interest in Artificial Intelligence, Networking, and Telecommunications, with hands-on academic and project experience in programming, databases, logic design, and low-level systems. **Currently completing an internship at Touch (MTC).** Eager to apply technical skills in practical engineering environments and further develop professional expertise.

• Education

Bachelor of Engineering in Computer Engineering
Lebanese American University (LAU)
Expected Graduation: Fall 2027

• Experience

AI Intern – Touch (MTC)
Summer 2026 – Present

- Currently working with the Artificial Intelligence team on AI-related projects and solutions.
- Gaining practical experience in machine learning workflows, model development, and data-driven decision making.
- Preparing to contribute to the Networks and Telecommunications team to gain hands-on exposure to communication systems and network operations.

• Relevant Coursework

- Microprocessors and Computer Organization
- Computer Architecture
- Data Structures
- Database Systems
- Digital Systems
- Software Engineering
- Networking
- Artificial Intelligence & Deep Learning

• Technical Skills

- Programming Languages: C++, Java, Python, Assembly
- Web & Database: HTML, CSS, JavaScript, SQL
- Hardware & Systems: Logic Design
- Concepts: OOP, Database Design, Networking Fundamentals

• Academic Projects

- Football Academy Management System – Web-based database project using HTML, CSS, JavaScript, and SQL.
- Elevator Control System – Assembly language simulation with overload alert.
- Car Wash Management System – Software system for managing customer bookings, services, payments, and workflow operations.
- AI-Powered Scheduling Assistant – Developed a scheduling/reservation system integrated with an AI agent that provides recommendations, scheduling advice, and intelligent assistance to users.
- Heartbeat Classification Using Deep Learning – Deep learning project focused on detecting and classifying normal and abnormal heartbeat patterns.
- Classroom Counter System (Logic Design Lab) – Hardware-based logic design project for counting students inside a classroom with configurable minimum and maximum capacity limits.

• Soft Skills

Communication, Teamwork, Time Management, Critical Thinking

• Languages

- English: Fluent
- Arabic: Native

• Research & Ongoing Work

- Developing intermediate projects in CNNs, Transfer Learning (TL), RNNs, LSTMs, and Explainable AI (XAI).
- Currently working toward publishing a Software Engineering project developed at the Lebanese American University.