



# ZARSHAM WALEED

## Computer Science Student | NUST

### ABOUT ME

Computer Science undergraduate at NUST with hands-on experience in coding, data structures, and full stack web development. Eager to contribute to innovative tech projects and grow in a dynamic development environment.

### EDUCATION

#### Bachelor of Science in Computer Science

National University of Sciences and Technology (NUST)  
2023 – 2027 (Expected)

### SKILLS

HTML/CSS/REACT  
MYSQL/MONGODB/PLSQL  
JAVASCRIPT  
C/C++  
PYTHON  
JAVA

### LANGUAGE

- English
- URDU

### CERTIFICATIONS

- C Programming
- Python Tutorial for Beginners
- Introduction to Artificial Intelligence
- Basics of UI/UX

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### PROJECTS

#### EDULEARN – A LEARNING MANAGEMENT SYSTEM *Apr 2025 - May 2025*

National University of Sciences and Technology (NUST)

- EduLearn is a web-based Learning Management System (LMS) designed for both instructors and students. It allows instructors to create, manage, and sell online courses with ease. Students can browse available courses, purchase them, and enroll instantly. The platform supports interactive learning through assignments, quizzes, and exams.

#### TRAFFIC SIMULATION SYSTEM *Dec 2024 - Jan 2025*

National University of Sciences and Technology (NUST)

- Simulated and optimized intersection traffic flow using C++ and Raylib, with AI integration for autonomous vehicle support. Features include real-time routing, smart signal control, and advanced DSA for dynamic traffic behavior analysis.

#### FLIGHT MANAGEMENT SYSTEM *Apr 2024 - May 2024*

National University of Sciences and Technology (NUST)

- Developed a web-based airline management system using Java and OOP principles, featuring user/admin login, real-time flight updates, schedules, and booking functionality for efficient operations and a seamless user experience.

#### E-COMMERCE PLATFORM *Mar 2024 - Apr 2024*

National University of Sciences and Technology (NUST)

- Built a dynamic online shopping system using PHP and MySQL, featuring secure login/signup, product buying/selling, cart and payment integration, and a feedback module for enhanced user trust, experience, and platform reliability.

#### RESTAURANT BILLING SYSTEM *Nov 2023 - Dec 2023*

National University of Sciences and Technology (NUST)

- Developed a console-based billing system using C and Raylib, featuring an interactive food menu, item selection with quantities, and automatic bill calculation to streamline restaurant operations.