

PROJECTS

Hotel Hub - C++/wxWidgets (GUI Application)

- GUI hotel management system in C++ using wxWidgets and OOP design (used classes, modular structure)
- Booking system with price calculation, availability checks, invoice generation, and booking updates
- Integrated modules for hotel comparison, reviews, gift shop, and file based data storage.

Budget Tracker - C++ Console Application

- Finance tracker using C (structures, arrays, pointers, file handling) for persistent user and transaction storage
- Login system with category based budgeting and automatic overspending alerts
- Monthly expense analysis with income vs expense summaries and ASCII bar-chart visualization

Space Exploration Website - HTML/CSS/JavaScript

- Responsive website on solar system education using HTML, CSS, JavaScript
- Interactive features like quiz, random facts generator, and personalized greetings (DOM manipulation)
- UI features like animations, hover effects, and dynamic content updates

Simon Says Memory Game

- LED-based memory game using Arduino, breadboard, LEDs, and push button inputs
- Sequence generation with increasing difficulty and real-time input validation
- Embedded systems implementation using digital I/O, timing logic and microcontroller control

EXPERIENCE

Nixor College — Physics Teaching Assistant & Summer Classes Instructor

Oct 2023 – May 2025

Nixor Hospital – Chief Information Officer & Volunteer

Oct 2023 – May 2025

Nixor Engineering Solutions – Operations & IT Volunteer

Nov 2023 – Jul 2025

The Citizens Foundation — Summer Camp Teacher

Nov 2023 – Jul 2025

Freelance Web Designer (Wordpress)

Oct 2023 – May 2025

- Built custom websites for clients across industries, including jewelry brands and marketing agencies.
- Managed the full project from client consultation and design to development and deployment.online

Astudia — Graphic Designer

Jun 2019 – Jun 2022

- Created research-based educational content, simplifying complex topics for an international audience.

EDUCATION

FAST NUCES

- Bachelors in Computer Science
- CGPA: **3.92**

Nixor College

- Biology, Chemistry, Physics, Math
- A level: **4 A***
- SAT: **1510**
- MDCAT: 153 (Ranked **123** in Sindh)

Beaconhouse Schooling System

- Pre-Medical and Art
- Headgirl in O levels
- Part of the School Blog
- O level: **7A*, 1A, 1B**

SKILLS

- Coding Languages: Python, C++, Java, HTML, CSS
- Wordpress
- Overleaf, MS Excel, Canva
- Research, Writing, Art (Watercolor/ Acrylic)

CERTIFICATIONS

- Prompt Engineering for everyone by IBM
- WordPress by BitDegree
- Graphic Design by IVS

ACHEIVEMENTS

- LAMUN – Outstanding Diplomacy Award
- Global Art for Change – Exhibition Runner Up
- Habib University – Meritorious Award
- Nixor College – Award in Physics and Chemistry
- FAST NUCES – 1st position (2nd semester)