

MAHAM ZAFAR

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SKILLS

- C++
- OOP
- JAVA
- DBMS (MS ACCESS)
- SOCIAL MEDIA MARKETING (BASICS)
- DATA STRUCTURES AND ALGORITHMS
- HTML
- CSS
- JAVASCRIPT
- PYTHON

EDUCATION

BS COMPUTER SCIENCE, INTERNATIONAL ISLAMIC UNIVERSITY

SEP 2022 – SEP 2026

CGPA: 3.65/4.0

FSC COMPUTER SCIENCE, ISLAMABAD MODEL COLLEGE FOR GIRLS, F10/2, ISLAMABAD

AUG 2020 – AUG 2022

Percentage: 75.45

PROJECTS

- **NeonHueMusic – HTML, CSS (Flexbox), JavaScript** JULY 2025
Built a Spotify-inspired web music player with playlist, interactive controls, dynamic progress bar, real-time song updates, responsive UI, and “About” page with developer details.
- **Library Management System – Java, Swing, MS Access (UCanAccess)** MAY 2025
Developed a desktop system with login/signup, book/author/category management, MS Access database integration, and user-friendly Swing GUI.
- **Travelling Salesman Problem Solver – C++, SFML, MFO Algorithm** DEC 2024
Implemented Moth-Flame Optimization for TSP using real coordinates and Haversine formula, with SFML GUI for route visualization, distance matrices, and optimization tracking.
- **Airline Management System – C++ (OOP, File Handling, Terminal UI)** DEC 2023
Created modular airline management software with classes for flights, passengers, tickets, luggage, noticeboards, and check-in, using file handling and color-coded terminal UI.