

Abdullah Tahir

Data Science Student | C++ & Front-end Developer | Aspiring Entrepreneur

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3.56

CGPA

7+

Projects

12

Certifications

93%

AI Score

PROFESSIONAL SUMMARY

First-year BS Data Science student at FAST-NUCES Lahore (CGPA: 3.56) with a strong foundation in C++, OOP, and front-end web development. Independently designs and ships complex software — from chess engines with Minimax AI to memory-managed parking simulators and full single-page web applications. Backed by 12 professional certifications in AI, Data Science, Cybersecurity, and Entrepreneurship. Open to internships, collaborations, and research opportunities.

EDUCATION

BS Data Science

2025 - 2029 (Expected)

FAST National University of Computer and Emerging Sciences (NUCES) - Lahore, Pakistan

- CGPA: 3.56 / 4.00

Intermediate - ICS (Physics)

2023 - 2025

Punjab Colleges, HajiPura Campus - Sialkot, Pakistan

- Awarded Certificate of Merit for academic excellence during the 2024-25 session
- Certificate of Participation - Robotics (2023-24)

TECHNICAL SKILLS

Languages

C++ | Python | C

Web & Tools

HTML | CSS | JavaScript | Git / GitHub

Graphics

SFML | Game Dev | Audio API

CS Fundamentals

OOP | Data Structures & Algorithms | Dynamic Memory Management | File I/O

Data Science

Data Analytics | Business Intelligence | Spreadsheet Analysis

Professional

Problem Solving | Strategic Planning | SWOT Analysis | Entrepreneurship | Communication

PROJECTS

01 Chess Master | C++ | SFML | Minimax AI | Audio

- Full chess engine with graphical interface, legal move validation, Minimax AI opponent (Easy/Medium/Hard), 4 board themes, undo/redo, volume slider, sound effects, and a Puzzle Mode with ELO rating system.

02 Smart Parking System - Dynamic Memory | C++ | Raw Pointers (char****) | SFML | File I/O

- 3-level parking structure (blocks to rows to slots) using raw pointers (char****) with runtime-determined dimensions. Park, remove, resize, search, Euclidean-distance smart allocation, and both Console & SFML GUI editions.

03 Smart Parking System - Object-Oriented | C++ | OOP | Rule of Five | File I/O

- Full ParkingBlock class with manual Rule of Five, vehicle transfer/merge, dynamic slot resizing, file-driven layout loading, and a 13-option interactive menu.

04 MediPharm | HTML | CSS | JavaScript | SPA Routing

- Pakistan-focused online pharmacy: 10-page single-page application with prescription upload, product filtering, cart & checkout, patient dashboard, and full DRAP compliance messaging.

05 DigiSmart Lahore | HTML | CSS | JavaScript

- ▶ Digital literacy and online safety website covering fake news detection, cyberbullying awareness, and PECA 2016 laws, featuring an 8-question interactive quiz.

06 Tic-Tac-Toe | C++ | SFML | Console | Audio

- ▶ Two-player game in both console and SFML editions with real-time win/draw detection, 4 board themes, and sound effects.

07 Sudoku | C++ | SFML | Console | Backtracking

- ▶ Console & SFML Sudoku with recursive backtracking solver, input validation, mistake tracking, hint system, and Easy/Medium/Hard difficulty levels.

CERTIFICATIONS

Certification	Issuing Body	Year
Data Analytics & Business Intelligence	DigiSkills.pk - Govt. of Pakistan	Mar 2026
Startup Strategies & Entrepreneurship	DigiSkills.pk - Govt. of Pakistan	Mar 2026
Strategic Planning	HP LIFE - HP Foundation	Jan 2026
Success Mindset	HP LIFE - HP Foundation	Jan 2026
Digital Skills: Artificial Intelligence (93%)	Accenture / FutureLearn	Jul 2025
Data Science & Analytics	HP LIFE - HP Foundation	Aug 2025
IT Skills for Business (96%)	Alison - CPD Certified	Jul 2025
Microsoft Word 2010 & 2013 (92%)	Alison - CPD Certified	Jul 2025
Cybersecurity	ADBI Institute	Jul 2025
Climate Change & Sovereign Risk	ADBI Institute	Jul 2025
Certificate of Merit - Academic Excellence	Punjab Colleges	2024-25
Robotics - Certificate of Participation	Punjab Colleges	2023-24

LANGUAGES

Urdu	English	Punjabi
<i>Native</i>	<i>Professional Proficiency</i>	<i>Native</i>

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