ISRA ASIF

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PROFESSIONAL SUMMARY

Motivated Computer Science student passionate about software development, data structures, networking, and web technologies. Experienced in C++, assembly programming, and network configuration using tools like Cisco Packet Tracer, VMware, and UltraISO. Eager to apply technical and analytical skills to impactful academic or research projects.

PROJECTS

SmartLIB — Web & Mobile Application (Current Project)   **April 2025**

Developing a smart library management system accessible via both web and mobile platforms.
- An enhanced web app for efficient complaint management and communication between university departments.
- Tech Stack: HTML, CSS, JavaScript, SQL (phpMyAdmin)

University Complaints Management System - UCMS (Web Application)   **April 2025**

A centralized web-based system for reporting and tracking complaints from students, faculty, and staff.
- An enhanced web app for efficient complaint management and communication between university departments.
- Tech Stack: HTML, CSS, JavaScript, SQL (phpMyAdmin)

Sudoku Game (AI Project)   **Nov 2024**

Developed a Sudoku puzzle-solving game implementing the Backtracking Algorithm for automatic puzzle generation and solving.
- Built with Python using Tkinter for GUI and NumPy for logic handling.
- Features timer mechanism, hints, difficulty levels, and real-time feedback.
- Tech Stack: Python, Tkinter, NumPy, Spyder

EDUCATION

Bachelor of Science in Computer Science   **Oct 2023 - Present**
Fatima Jinnah Women University (Expected Graduation: 2027)
- Relevant Coursework: Data Structures, Operating Systems, Advanced Database Management Systems, Software Engineering

Intermediate in Computer Science (ICS)   **Aug 2021 - Aug 2023**
Army Public School and College Pasban, Westridge III

Matriculation (Science)   **Aug 2019 - Aug 2021**
Army Public School and College Pasban, Westridge III

ADDITIONAL INFORMATION

- **Technical Skills:**
  - Programming Languages: C++, Python, SQL, HTML, CSS, JavaScript
  - Web Tools: SQL, React.js
  - Development Tools: Visual Studio Code
  - Designing Tools: Canva (Graphic Design, Slide Decks, Presentations, Posters)
  - Concepts: Data Structures & Algorithms (Arrays, Linked Lists, Trees, Graphs, Heaps), BFS/DFS, Backtracking, Hashing

- **Languages:** English (Fluent), Urdu (Fluent)
- **Activities/Certifications/:**
  - Aspire Leaders Program — Cohort III (Aspire Institute, Harvard University Initiative): Selected from a competitive global applicant pool for leadership and professional development training. Completed modules on personal leadership, social impact, and career development.
  - OMLAS Champions Empowerment Program 2025 — Leadership, SDGs, and Social Entrepreneurship
  - Google Project Management Professional Certificate - Google - Coursera
  - Unordered Data Structures - University of Illinois Urbana-Champaign - Coursera
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  - Conversational English Skills - Tsinghua University - Coursera