



MAHAD  
MUSTAFA

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## PROFESSIONAL SUMMARY

### Console-Based C/C++ Projects

I have developed multiple console-based projects using C and C++, including Tic-Tac-Toe, Turtle Graphics, Maze Solver, Bank Management System, and Hangman Game. Through these projects, I gained proficiency in core programming concepts, algorithm implementation, and Object-Oriented Programming (OOP) principles. I effectively utilized C++ to create modular, scalable applications, and applied problem-solving techniques to build interactive systems like games and management tools. These experiences have sharpened my skills in file handling, input validation, and algorithm design.

### Frontend Projects

Developed a responsive personal portfolio website using HTML, CSS, and JavaScript to showcase my skills, projects, and contact details. Additionally, built an interactive Simon Says memory game, implementing game logic, score tracking, and user interaction through DOM manipulation. Both projects demonstrate my proficiency in front-end development, responsive design, and JavaScript programming.

### Competitive Programming Experience

- Achieved a top position in the Code Tech Event at PUCIT, demonstrating strong coding skills and problem-solving abilities.
- Currently tackling additional LeetCode problems to further refine my data structures and algorithms skills, with over 100 problems solved and ongoing dedication to optimization and advanced techniques.

## SKILLS

- Proficiency in C/C++
- HTML, CSS, and JavaScript for building user interfaces.
- Familiarity with server-side language Node.js
- Experience with Git and GitHub
- Strong analytical and debugging skills.
- Project Coordination
- Ability to collaborate effectively with team members

## EDUCATION

Bachelor of Science (B.S.) - Computer Science  
Punjab University College of Information and Technology, Lahore

September 2027

As a student, I

- Presented research findings in both written and oral formats, demonstrating strong communication skills.
- Participated in group projects, collaborating with peers to achieve common goals.
- Maintained regular communication with academic advisors.
- Conducted independent research projects to explore personal interests outside the scope of assigned coursework.

## LANGUAGE

English  
Upper Intermediate (B2)

Urdu  
Advanced (C1)