TOHEED ALI

Computer Science Student

☎ +92 329 4351003   ✉ toheedali3.14159@gmail.com   📍 Lahore, Pakistan
🔗 linkedin.com   ⌗ github.com

SUMMARY

Passionate and skilled software developer with a strong foundation in C++, Python, and modern development tools. Experienced in building real-world projects, including games, logic engines, and desktop applications, with a focus on clean code, efficiency, and scalability. Known for quick learning, creative problem-solving, and taking initiative in academic and personal projects. Thrive in team environments and committed to delivering high-quality, impactful solutions.

EDUCATION

Bachelors, BS Computer Science
Information Technology University   2024 – 2028

GPA
3.39 / 4.0

Intermediate, ICS Physics
Punjab Group of Colleges   2022 – 2024

Score
86%

Matriculation
Qazi Grammar School   2020 – 2022

Score
93%

PROJECTS

File Explorer
Built a command-line based File Explorer in OOP supporting directory navigation, file creation, deletion, deep copy of folders, and content editing for .txt and .cpp files. Final directory structure saved in hierarchy.txt.

Chess
Developed a two-player console-based Chess game in C++ implementing standard rules, check/checkmate detection, and piece movement logic. Focused on game logic, player turn system, and board rendering.

University Management System
Developed a University Management System in C++ using Object – Oriented Programming, handling student enrollment, course allocation, and file storage. Implemented constructors, file handling, and custom classes to manage student records and course data efficiently.

Reversi with AI
Created a Reversi (Othello) game in Python with an AI opponent using Minimax algorithm and heuristic evaluation. Designed for intelligent move selection and strategic gameplay.

Tic Tac Toe with AI
Implemented Tic Tac Toe in C++ with multiple grid sizes (3x3, 4x4, 5x5), 7second move timer, and AI opponent. Included win/loss logic, player life system, and dynamic difficulty scaling.

SKILLS

- ➢ C++ Developer
- ➢ OOP
- ➢ Data Structures
- ➢ SQL
- ➢ HTML
- ➢ CSS
- ➢ Microsoft Office Specialist

KEY ACHIEVEMENTS

❖ **Certified Microsoft Office Specialist**
Earned the Microsoft Office Specialist (MOS) certification, demonstrating advanced proficiency in Microsoft Word.

❖ **Hackathon Participation**
Participated in two hackathons, securing a top 3 position in one.

INTERESTS

- Football
- Badminton
- Poetry

CERTIFICATION

Microsoft Office Specialist (MOS) - Microsoft
- *Issued: November 2023*

Code Rush - Programming Competition - ITU
- *Issued: March 2025*

LANGUAGES

Urdu   Proficient ●●●●○

English   Advanced ●●●○○