UMAIR AHMAD

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SUMMARY

Motivated and focused BSCS student at Namal University Mianwali with a solid foundation in C++, Data Structures, and Database Systems. Proven experience in developing real-world projects such as games, management systems, and database-driven applications. Passionate about learning, mentoring, and applying software development skills to solve practical problems. Actively seeking internship opportunities to gain industry experience.

ACADEMIC PROJECT EXPERIENCE

University Blood Bank Database (Group Project)

- Designed and implemented a comprehensive database system for the university blood bank.
- Utilized MySQL for efficient data management, ensuring accurate tracking of blood donations, storage, and distribution.
- Implemented a user-friendly interface using Python for backend logic and PythonTk-inter library for frontend development.

Babu Shona – Toy Programming Language (Group Project)

- Developed a web-based compiler using Tk-inter Python library.
- Created intuitive syntax using playful native phrases like dekho babu for print and bolo Shona for input and many more .
- Promoted interactive learning with a live code editor and instant output console.

Console-Based Mess Management System in C++

- Developed a console-based mess management system in C++ to streamline meal planning, inventory management, and billing processes.
- Designed an intuitive user interface within the console for easy navigation and data entry, enhancing user experience.
- Demonstrated strong problem-solving skills and attention to detail in developing a reliable and efficient system.

Console-Based Snake and Ladder Game

- Implemented a classic Snake and Ladder game with console-based animations.
- Used C++ to create the game logic and graphical interface, providing an engaging user experience.

Console-Based Sudoku Solver Game

- Created a Sudoku game with a solver in C++ with console animations.
- Implemented an algorithm to solve Sudoku puzzles, showcasing advanced programming and problem-solving abilities.

Console-Based Tic-Tac-Toe Game

- Developed a Tic-Tac-Toe game featuring a console-based interface with animated graphics.
- Demonstrated proficiency in C++ programming and logical problem-solving skills.

EDUCATION

Namal University Mianwali

Bachelor's Degree in Computer Science (BSCS)
2022 – 2026 (Expected Completion)

Govt. Associate College Darya Khan

Intermediate in Computer science (ICS)
2020 – 2022

SKILLS

- **Programming Languages:** C++ , SQL, Python
- **Core Competencies:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Design and Analysis of Algorithms (DAA), Database Management Systems (DBMS)
- **Tools:** MySQL, Tkinter (Python GUI), MS Office, VS Code, MySQL Workbench
- **Soft Skills:** Communication, Leadership, Team Collaboration, Presentation Skills

CERTIFICATIONS

- **Teaching Assistant Certificate:** Programming Fundamentals Course, Namal University
- **Campus Ambassador** DEN(Digital Empowerment Network) and Career Connect Pakistan
- **Digi Skills Certificate:** Search Engine Optimization (SEO)
- **C++ Programming Internship Certificate**
- **Finance Assistant Certificate:** SDS Society

INTERNSHIP EXPERIENCE

Programming Fundamentals Teaching Assistant – Namal University (Fall 2023)

- Conducted lab sessions and helped students with debugging and understanding concepts.
- Created assignments and explained core logic of programming fundamentals.