Abdul Hadi Sohail

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EDUCATION

COMSATS University Islamabad   **Lahore Campus**

BS Computer Science   *February 2024 – January 2028*

- 4th Semester
- 3.53 CGPA, Programming Fundamentals. Object Oriented Programming, Data Structures

WORK EXPERIENCE

As a motivated and quick learner with a strong interest in both IT and customer service, I am eager to begin my professional journey. While I do not have formal work experience, I have gained valuable skills through academic projects and personal learning, including technical problem-solving, communication, and teamwork. I am confident in my ability to adapt quickly, provide effective support, and contribute positively to any team or customer-facing environment.

TECHNICAL PROJECTS

Hostel Management System

Link: https://github.com/1hadii/Hostel-Management-System

- Developed a comprehensive desktop application in C# for managing hostel operations, including room allocation, student registration, fee tracking, and administrative oversight.

- Designed and implemented a robust SQL Server database architecture to handle persistent data storage, complex queries, and transaction management for multiple concurrent users.

- Created an intuitive user interface with seamless navigation, ensuring efficient workflow management for hostel administrators and staff members.

Smart Irrigation System

Link: https://github.com/1hadii/smart-irrigation-system

- Built an AI-powered irrigation system in Python utilizing Random Forest Regression to predict optimal watering schedules based on environmental conditions and soil moisture requirements.

- Integrated real-time weather data retrieval from OpenWeatherMap API to dynamically adjust irrigation predictions, enhancing water conservation and crop yield optimization.

- Implemented data preprocessing and feature engineering techniques to improve model accuracy, achieving reliable predictions for automated irrigation control.

Tic-Tac-Toe Game

- Built a command-line Tic-Tac-Toe game in C with a minimax algorithm-powered AI, enabling users to compete against a tactically intelligent computer opponent.
- Implemented a file-based login and score-tracking system, allowing user registration and persistent game history across sessions.
- Enhanced user experience through robust input validation, ensuring 100% error-free interactions.

Salon Management System

- Developed a fully functional salon management system with a Java backend and JavaFX frontend, supporting appointment booking.
- Implemented a login/registration system with file handling for user management. Also user could book appointments according to available services.

CERTIFICATIONS

Adobe Premiere Pro for Beginners: QuickStart Video-Editing **Coursera Project Network**

Coursera course *July 2025*

https://coursera.org/share/5b7579b8887dd8a77e25eab2943ec504

- Completed an **Adobe Premiere Pro for Beginners** QuickStart program, gaining practical skills in video editing, timeline management, transitions, and basic color correction.
- Edited and produced short videos from raw footage, applying text overlays, effects, and audio enhancements to create polished, share-ready content.

SKILLS & INTERESTS

Skills: Video editing, Python, C, C++, C#, Java, SQL Server (Database Management), HTML, CSS, JavaScript, Artificial Intelligence (beginner concepts), Machine Learning fundamentals, project management.

Interests: Football, Table Tennis, cricket, Photography, Business, Programming, Technology

Languages: English, Urdu, Punjabi