Abdul Rehman

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EXPERIENCE

FREELANCING
May 2024 – Present
- Freelance developer specializing in software and web development, delivering tailored solutions to clients.
- Developed Windows Forms and Console applications using C# and .NET.
- Designed and implemented robust, database-driven systems.
- Built responsive front-end interfaces and full-stack web applications using HTML, CSS, JavaScript, and the MERN stack.

DEPARTMENT OF COMPUTER SCIENCE, UET LAHORE
Lead Teaching Assistant
Sep 2024 – May 2025
- Lead Teaching Assistant for Programming Fundamentals (Fall 2024) and Object-Oriented Programming (Spring 2025).
- Guided students in debugging, logic building, and improving programming proficiency.
- Facilitated effective communication between faculty, students, and teaching assistants.

PROJECTS

KITEDB   Python | DBMS
- Developed KiteDB, a lightweight NoSQL Database Management System designed for secure and efficient JSON document storage. Implements core DBMS features including atomic transactions with write-ahead logging, ACL, and indexing for optimized queries. The system also includes a custom query processor to handle complex JSON-based operations.

XZAMINE   HTML, CSS, JS, Python | Legal Tweet Checker
- Developed Xzamine a browser extension for X (twitter) to check the compliance of the content of a post with the PECA 2016. It uses a flask server to receive requests, and then chatOpenAI and Gemma3 check and respond to the content.

KLONDIKE SOLITAIRE   Python | Console Game
- A console-based Klondike Solitaire game using custom-built data structures for efficient game logic and card movements.

INDIAN RUMMY   Python, Flask | Multiplayer Console Game
- An Indian Rummy game with AI bot support and custom data structures. Implemented flask-based server for multiplayer gameplay.

FOREVER   MERN Stack + Tailwind | E-Commerce
- An e-commerce platform with admin and user panels, authentication, product management, and order processing, with search and filter functionality.

POS SYSTEM   C# (.NET, WinForms, Console), SQL
- A POS system with WinForms and console interfaces, featuring role-based access for Admin, Employees, and Customers. Includes product, employee, and user management, with SQL integration for efficient data handling.

EDUCATION

PUNJAB COLLEGE, KAMOKE
ICS (Physics)
2021 - 2023
UET, LAHORE
BS. Computer Science
Sep 2023 - May 2027

SKILLS

PROGRAMMING
Python • C • C++ • Java
C# (WinForms, .NET Framework)
HTML5 • CSS (Bootstrap, Tailwind) •
JavaScript • MERN Stack

TECHNOLOGIES
Database Management (SQL, MongoDB)
Python GUI Development (PyQt)
C# Libraries Development
Deployment Domain Setup (Vercel, Netlify, Heroku)

TOOLS
Git/GitHub • GitLab • Postman • Canva
• Slack • Trello • Draw.io • Lucid Chart

CORE SKILLS
Object-Oriented Programming (OOP) •
Data Structures & Algorithms (DSA)
Problem-Solving • Debugging •
Authentication

CERTIFICATIONS
- Frontend Developer (React)
- Software Engineer Intern
- Python (Basic)
- SQL (Intermediate)
- SQL (Advanced)

EVENTS
- Management Team (ITEC-2025)
- Coding Competition Lead (ITEC-2025)

LINKS
Github: **Abdul Rehman**
LinkedIn: **Abdul Rehman**