

Syed Zain Ali



SUMMARY

Experienced professional proficient in Python and SQL. Adept at designing and implementing database systems, optimizing queries, and developing scalable Python applications. Strong analytical and problem-solving skills, coupled with effective communication and collaboration abilities.



CONTACT

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PROJECTS

Library Management System:

- Created a library management system using Python in which we have password and user name through which we can login by entering details. It can perform two functions issue book and order book and have access to library database where he can add, remove delete and display information about the books. The librarian can create transactions. It makes a transaction whenever someone takes a book. If the person is late in returning the book, then i.e., exceed the due date for returning the book then he can create bill to fine the person where he can create bill and also update it. He has access to all information about the book in which he can have information about book's title id, author, edition and publication. The student and the teacher can request for books. There is also a book limit of how many.
- Created a management system using SQL to keep track of every library record for my database course. Database was implemented and managed using Microsoft Server Management System. To improve information management and offer a flexible and effective book cataloging system, the system included dynamic tables among its advanced capabilities.

Mentcare System:

- As an academic project for a software engineering course, I developed a prototype of an advanced mental health care system and followed the complete software development life cycle process. Followed the whole software engineering conventional process of gathering requirements, finalizing requirements design and implementation and then final report. Did all of this by following the Software engineering's protocol.

EDUCATION

Forman Christian College (A Chartered University)
2021 – 2025
BS (Hons) Computer Science | Lahore, Pakistan

RELEVANT SKILLS

- Python
- SQL
- SDLC (understanding of software development process)
- Database design and management
- Web Development
- Algorithmic solving skills
- Problem solving skills