Waqar Iqbal

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EDUCATION

COMSATS UNIVERSITY ISLAMABAD

CURRENT SEMESTER: 5TH

B.Sc. Computer Science

CGPA: 3.88/4

SKILLS

PROGRAMMING:

- Java
- C++
- SQL
- PHP
- Laravel
- HTML/CSS
- JavaScript

EXPERIENCE

Java Development
- Developed OOP-based applications using Java 8+
- Built university projects with Swing GUI components

C++ Programming
- Created data structures and algorithms using STL
- Applied OOP principles in system design projects

Database Management
- Designed and queried relational databases with MySQL
- Developed PHP scripts for web-database integration
- Administered databases via phpMyAdmin interface

Linux Environment
- Proficient in Ubuntu terminal commands and shell scripting
- Managed packages using apt and system services with systemctl
- Used git for version control and SSH for remote access

PROJECTS

LIBRARY MANAGEMENT SYSTEM

Java-based Desktop Application

- Developed a Library Management System using Java and Swing for desktop GUI.
- Included features like book issue/return, student records, and fine calculation.
- Integrated MySQL database for storing books and user records.

PHARMACY INVENTORY SYSTEM

Web Application using PHP Laravel

- Built a fully functional inventory system to manage medicines, stock levels, and expiry dates.
- Implemented CRUD operations, user authentication, and category-based filtering using Laravel.
- Connected to MySQL via phpMyAdmin and designed responsive frontend using Bootstrap.

ALGORITHMIC PROBLEM SOLVING

- **Solved 60+ LeetCode problems across key DSA categories**:
  - Arrays & Strings (15 problems)
  - Linked Lists (10 problems)
  - Trees & Graphs (12 problems)
  - Dynamic Programming (8 problems)
  - Sorting/Searching (15 problems)
- Regular participant in weekly coding contests

CERTIFICATIONS

DataCamp: SQL Fundamentals

- Mastered database querying (SELECT, JOIN, GROUP BY operations)
- Learned data filtering and aggregation techniques
- Completed hands-on exercises with real-world datasets
- Earned certification with score of 95%

SOCIETIES

Computer Science Society Active member of the programming team, competing in coding challenges and mentoring students in algorithmic problem-solving. Regularly practice on LeetCode to sharpen skills.