**MUHAMMAD UMAR HASSAN**

**Student of BS Computer Science**

[E-17/3, Islamabad, Pakistan](https://maps.app.goo.gl/Af1qd3uPis1xZxV87) | [+92 3325194422](mailto:+92%203325194422) | [mumarh135@gmail.com](mailto:mumarh135@gmail.com)

[GITHUB PROFILE](http://github.com/mumarh) [LINKEDIN PROFILE](https://www.linkedin.com/in/m-umarh)

[**PORTFOLIO**](http://mumarh.netlify.app)

**ABOUT ME:**

Motivated and dedicated BS Computer Science student with a passion for coding, problem-solving, and continuous learning. Eager to contribute to impactful tech projects and enhance software development skills through hands-on experience.

**EDUCATION:**

**BACHELOR OF SCIENCE IN CONPUTER SCIENCE 2023 – 2027**

International Islamic University, Islamabad

CGPA (Till 4th Semester): 3.36/4

**HSSC, PRE-ENGINEERING 2021 - 2023**

Emalah Foundation College, Rawalpindi

FBISE, Marks: 905/1100

**SSC, PRE-ENGINEERING 2019 - 2021**

APSACS, Westridge-III, Rawalpindi

FBISE, Marks: 1047/1100

**TECHNICAL SKILLS:**

**Languages & Frameworks:**

* C++ (OOP, File Handling)
* Python (Basic to Advanced)
* HTML, CSS, JavaScript (Front-End)
* React.js
* Tailwind & Bootstrap

**Database System:**

* MySQL
* PostgreSQL (pgAdmin 4)
* MongoDB (NoSQL)
* MS Access

**Tools & Platforms:**

* Git & GitHub
* Microsoft Office Suite
* VS Code, PyCharm, Sublime Text
* pgAdmin 4 (PostgreSQL)
* MySQL (MySQL Server)
* MongoDB (MongoDB Compass & MongoDB Atlas)

**Web Development Skills:**

* Responsive Web Design
* Form Validation (JS)
* Calculator using JS
* Games using JS
* DOM Manipulation
* Front-End Websites using React.js & Tailwind CSS

**SOFT SKILLS:**

* Problem-Solving Mindset,
* Consistent,
* Quick Learner,
* Punctual.
* Team Collaboration

**LANGUAGES:**

* English,
* Urdu.

**PROJECTS:**

**Cricket Management System -Database & OOAD Project:**

* Designed and implemented a comprehensive Cricket Tournament Management System in MS Access.
* Database Side: Created normalized tables (Team, Player, Match, Umpire, Venue, Tournament), relationships, forms, queries, and reports.
* Built a Main Menu form for user navigation and dynamic queries for performance tracking.
* Making Report and documentation of the project.

**OOAD Side:**

* Applied Object-Oriented Analysis & Design principles to model the system.
* Created Use Case Diagram, Class Diagram, Sequence Diagram, Activity diagram, & Data flow diagram.
* Developed SRS document outlining system scope, actors, features, and functionality.
* Focused on modular, reusable design to ensure scalability and maintainability.

**Payroll Management System – OOP Project C++ :**

* Developed an automated system for managing employee salary, attendance, and taxation.
* Applied core OOP concepts: Encapsulation, Inheritance, and Polymorphism.
* Designed system flow using Class and Use Case diagrams.
* Wrote a complete Software Requirements Specification (SRS) document.

**Mini Web Projects – Front-End:**

* Created responsive and interactive websites using HTML, CSS, JavaScript & React.js
* Implemented features like form validation.
* Event-driven programming, and clean UI design.
* GITHUB [REPOSITORY](http://linktr.ee/mumarh)

**EXTRACURRICULARS:**

**CO FOUNDER – ISLAMIANS YOUTH CLUB**

LEAD – FINANCE & BUDGETING

* Managed the club’s financial planning, budgeting, and expenditure tracking
* Maintained transparent and organized financial records and reports
* Coordinated fundraising activities and ensured optimal resource allocation
* Advised the executive team on financial matters and sustainability strategies
* Oversaw event budgeting and ensured cost-effective execution of club initiatives
* Collaborated with sponsors and donors for financial support and partnerships