

Muhammad Idrees Raza

Final-Year BS Computer Science Student | Aspiring Full-Stack Developer
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📍 Layyah, Pakistan

SUMMARY:

Final-year Computer Science student with hands-on experience in full-stack web development, databases, and mobile applications. Skilled in JavaScript, React.js, Next.js, TypeScript, MySQL, and MongoDB. Proven leadership as a Group Lead on academic and GitHub projects, with teaching and mentoring experience.

TECHNICAL SKILLS:

Frontend: JavaScript, React.js, Next.js, TypeScript, HTML, CSS
Backend & Databases: MySQL, MongoDB, PostgreSQL
Programming Languages: C++, Java, JavaScript, TypeScript
Tools: GitHub, Expo CLI, Android Studio

LEADERSHIP & TEACHING:

- Group Lead on academic & GitHub projects, guiding team members.
- Conducted peer teaching sessions for classmates and junior/intermediate students.

EXPERIENCE:

Group Lead (GL) & Main Developer – Academic Projects | 2023 – Present

- Led team development of a Shop Management System in C++ and a Chess Game in Java.
- Supervised contributors on GitHub projects, ensuring code quality and collaboration.
- Taught and mentored classmates and intermediate-level students in programming concepts.

GitHub Project Led – Open-Source Contributions | GitHub Profile Projects | 2022 – Present

- Managed collaborative projects, similar to a software engineer role, with contributors.
- Developed and deployed multiple web applications using React.js, Next.js, TypeScript, and PostgreSQL.
- Published open-source code and documentation on GitHub for community use.

PROJECTS:

[Links](#) Blog Website – Full Stack Web Application

Tech Stack: React.js, Next.js, TypeScript, PostgreSQL, CSS

- Designed and developed a responsive blogging platform with secure authentication, tested by 70+ users.
- Integrated PostgreSQL for data storage and retrieval with optimized queries, improving query performance by 40%.
- Implemented reusable UI components and modern styling, reducing development time for new features by 30%.
- Achieved 95% mobile responsiveness across devices after cross-browser testing.

[Links](#) Calculator Application

Tech Stack: Next.js, TypeScript, CSS

- Developed a functional calculator with advanced operations, validated with 150+ test cases.
- Implemented state handling in TypeScript ensuring 0 runtime errors in production.
- Designed clean, minimal UI with responsive styling, tested on 5 different screen sizes.
- Improved accessibility score to 90%+ using semantic elements and ARIA labels.

[Links](#) BIOS Mobile App

Tech Stack: React Native, Expo CLI, Android Studio

- Created a cross-platform mobile app (Android + iOS) with 90% feature parity.
- Used Expo CLI for fast prototyping, reducing dev cycle by 40%.
- Optimized navigation for smooth performance, reducing screen transition lag by 35%.
- Tested by 25+ student users, gathering feedback for UI/UX improvements.

[Links](#) Shop Management System

Tech Stack: C++

- Developed a console-based shop management system handling 200+ products with inventory features.
- Implemented billing and reporting, reducing manual work by 60% for small shopkeepers.
- Led a team of 3 peers, completing project 2 weeks before deadline.
- Achieved 100% accuracy in stock management functions during testing phase.

[Links](#) Chess Game

Tech Stack: Java

- Programmed a console-based chess game with all 6 chess pieces rules fully implemented.
- Applied OOP concepts (classes, inheritance, polymorphism) for modular design.
- Collaborated with peers, fixing 15+ bugs during playtesting.
- Improved runtime efficiency by 20% after optimizing piece-move validation logic.

EDUCATION:

Bachelor of Science in Computer Science (BSCS)
Government Graduate Boys College Chowk Azam – GC University Faisalabad Campus
Session: 2022 – 2026