

Muhammad Rasib Nadeem

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Aspiring full-stack developer seeking growth and learning opportunities in an engaging software role.
3rd-year CS student from IBA with a passion for interesting projects and emerging technologies.

Expertise: JavaScript, TypeScript, React, Node/Express, Python, SQL, Java, Rust, Linux (Debian/Arch)

Education

- **Institute of Business Administration** **Karachi**
BSCS, CGPA: 3.69 *2020 – 2024*
- **Whales College** **Karachi**
*A'levels, Grades: A*A*A* in Physics, Chemistry, and Mathematics* *2018 – 2020*

Projects

- **Chirp — Emoji-only Twitter clone — [Sourcecode](#)**
Techstack: *TypeScript, Next.js, tRPC, Prisma, Zod, MySQL (PlanetScale), Clerk*
 - Developed a responsive mobile-first twitter clone where you can only tweet using Emojis!
 - Optimized loading times by using SSG and generating static HTML by pre-fetching data that is easily cache-able.
 - Implemented Infinite scroll enabling ergonomic data fetching that reduces the load of on the server
 - Deployed the projects using Vercel. You can access the deployed app [here](#).
- **MediaTraker — Social-cataloging website — [Sourcecode](#)**
Techstack: *TypeScript, Next.js, tRPC, Prisma, Zod, PostgreSQL (SupaBase), NextAuth*
 - Developed a responsive app using the Next.js ecosystem, allowing users to catalog, rate, and review their favorite movies, TV shows, and books, and presenting them in engaging ways.
 - Created a custom authentication system to meet the customer's requirements, enabling users to log in with or without a social provider.
 - Implemented search, enabling users to find relevant content by matching patterns in search queries.
 - Deployed the projects using Vercel. You can access the deployed app [here](#).
- **Rustaurant — Reviews and rating website — [Sourecode](#)**
Techstack: *Rust, WebAssembly, Yew, Axum, MongoDB*
 - Developed a **blazingly-fast** restaurant reviewing website using Yew and Axum frameworks.
 - Designed and implemented a scalable MongoDB database architecture for efficient storage and retrieval of restaurant reviews.
 - Implemented an intelligent search feature for effortless restaurant discovery.
 - Created a dynamic Comments and Rating system for user engagement and community contribution.
- **BrickBreaker — Cross-platform game — [Sourecode](#)**
Techstack: *Java, OOP, Design patterns*
 - Developed BrickBreaker, a cross-platform game using Java, OOP, and design patterns.
 - Led a team of five members, delegated tasks, and ensured effective collaboration.
 - Implemented design patterns (e.g., factory, singleton, abstract factory, builder) for a durable and scalable project.
 - Conducted extensive testing on various platforms to enhance user experience.

Professional Experience

- **Institute of Business Administration** **Karachi, Pakistan**
Teaching Assistant, Theory Of Computation *Spring 2023 – 4 months*
 - Simplified complex topics on different models of computations to ensure easy understanding for students.
 - Conducted tutorials and provided guidance on formal proof techniques to enhance students' problem-solving abilities.
 - Graded problem sets for 160 students and provided individual feedback on their solutions.
 - Conducted personalized 1-on-1 sessions with students who needed additional support to keep up with the pace of the class.
- **Alkhidmat Foundation** **Karachi, Pakistan**
Intern *Summer 2022 – 2 months*