

Muhammad Rasib Nadeem

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🐙 Rasib0

Aspiring Software Engineer; Linux/vim enthusiast; competitive programmer

Familiar With: Python, Java, C++, Rust, HTML+CSS+JS/TS, React/Next, Unix

Education

- **Institute of Business Administration** **Karachi**
BSCS, CGPA: 3.70 *2020–2024*
- **Whales College** **Karachi**
*A'levels, Grades: A*A*A* in Physics, Chemistry, and Mathematics* *2018–2020*

Projects

- **Chirp — Emoji-only Twitter clone — github.com/Rasib0/Chirp**
Techstack: *TypeScript, Next.js, tRPC, Prisma, MySQL*
 - A responsive twitter-like platform where you can only tweet only using **Emojis**.
 - Utilized SSG and component pre-fetching to boost lighthouse scores.
 - Implemented the classic social media infinite scroll
- **MediaTracker — Reading/Movie tracking website — github.com/Rasib0/MediaTracker**
Techstack: *TypeScript, Next.js, tRPC, Prisma, PostgreSQL*
 - A website that allows users to rate, and review their favorite movies, TV shows, and books all in one platform.
 - designed the UI from scratch using just TailwindCSS
 - Created a custom credential-based authentication system using NextAuth.
 - Added loading spinners for better user retention
- **Rustaurant — Reviews and rating website — github.com/Rasib0/Rustaurant**
Techstack: *Rust, WebAssembly, Yew, Axum, MongoDB*
 - Developed a **blazingly-fast** restaurant reviewing website using popular rust web frameworks.
 - Created a dynamically updated Comments and Rating system for better user engagement.
 - Used MongoDB for restaurant reviews.
 - Implemented search etc. for restaurant discovery.
- **BrickBreaker — Cross-platform game — github.com/Rasib0/BrickBreaker**
Techstack: *Java Swing*
 - Led a team of five members, delegated tasks, and ensured effective collaboration.
 - Structured game logic using common design patterns (e.g., factory, singleton, abstract factory, builder)
 - Conducted testing on Windows, MacOS and Linux.

Professional Experience

- **PTCL Business Solutions** **Karachi, Pakistan**
Business Solution + IT Intern *Summer 2023 – 2 months*
- **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*