

# Muhammad Rasib Nadeem

Gulshan-e-Iqbal, Block 17, Zainab Plaza B-201 - Karachi - Pakistan

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🐙 Rasib0

Aspiring Software Engineer; Linux/vim enthusiast; Likes Reading; Loves self-improvement

**Skills:** HTML/CSS/JavaScript, TypeScript, React/Next, Bash Scripting, SQL, Python, Java, Rust

## 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** — [github.com/Rasib0/Chirp](https://github.com/Rasib0/Chirp)  
Techstack: TypeScript, Next.js, tRPC, Prisma, Zod, MySQL (PlanetScale), Clerk
  - Developed a **responsive mobile-first** twitter like platform where you can only tweet only using **Emojis!**
  - Achieved faster loading times and good lighthouse scores by incorporating **SSG** and generating static HTML by pre-fetching data that is easily cacheable.
  - Implemented **Infinite scroll** enabling ergonomic data fetching that reduces the load of on the server
  - Feel free to test it out here: <https://chirp.rasib.me>
- **MediaTracker — Reading/Movie tracking website** — [github.com/Rasib0/MediaTracker](https://github.com/Rasib0/MediaTracker)  
Techstack: TypeScript, Next.js, tRPC, Prisma, Zod, PostgreSQL (SupaBase), NextAuth
  - A website that allows users to rate, and review their favorite movies, TV shows, and books.
  - designed the UI from scratch using just TailwindCSS
  - Created a custom authentication system.
  - Added loading spinners for better UX.
  - Feel free to test it out here: <https://tracker.rasib.me>
- **Rustaurant — Reviews and rating website** — [github.com/Rasib0/Rustaurant](https://github.com/Rasib0/Rustaurant)  
Techstack: Rust, WebAssembly, Yew, Axum, MongoDB
  - Developed a **blazingly-fast** restaurant reviewing website using native rust frameworks.
  - Implemented MongoDB 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 better user engagement.
- **BrickBreaker — Cross-platform game** — [github.com/Rasib0/BrickBreaker](https://github.com/Rasib0/BrickBreaker)  
Techstack: Java
  - 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

- **PTCL Business Solutions** Karachi, Pakistan  
Business Solution 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