

Riya Rastogi

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Education

Amity University
B.Tech in Electronics and Communication Engineering

CGPA:8.63
Sept 2020 – June 2024

Projects

CodeUp [🔗](#) - Web Development

[github](#) [🔗](#)

- **Built Interview Platform:** Integrated video, screen sharing, and recording for **1000+** users with Stream.
- **Optimized Architecture:** Used Server Components, Convex, and Clerk to reduce load time by **30%**.
- **Tech Used:** Next.js, TypeScript, Stream, Convex, Clerk, Tailwind, Shadcn for real-time UX.

Socially [🔗](#) - Web Development

[github](#) [🔗](#)

- **Built Full-Stack Web App:** Developed a social media app using Next.js App Router, Server Components.
- **Auth and Database:** Used Clerk for auth and Prisma with PostgreSQL for data handling of **50+** test users.
- **Tech Stack:** Next.js, TypeScript, Clerk, PostgreSQL, Prisma, TailwindCSS, Shadcn, UploadThing.

Real Estate [🔗](#) - Web Development

[github](#) [🔗](#)

- **Built Real Estate App:** Created full-stack app with React, Node.js and real-time chat via WebSocket.
- **Improved Search:** Used React Leaf API to auto-fetch coordinates, with **2x** location search efficiency.
- **Tech Used:** React.js, Node.js, MongoDB, Prisma, Socket.io, JWT, Cookies, SCSS.

PingUp [🔗](#) - Web Development

[github](#) [🔗](#)

- **Built Real-time Chat App:** Developed a messaging platform for **40+** test users with MERN, Socket.io.
- **Auth with State Management:** Implemented JWT auth and Zustand with improved real-time sync by **40%**.
- **Tech Stack:** MERN, Socket.io, JWT, TailwindCSS, Daisy UI, Zustand.

Cab Booking System - Object-Oriented Programming

[github](#) [🔗](#)

- **Developed Cab Booking System:** Used Composite design pattern for managing complex structures.
- **Implemented OOP and SOLID:** Ensured scalability and multithreading in Command Line Interface.
- **Enhanced Efficiency:** Integrated real-time booking and dispatch, improving performance and user experience.

Technical Skills

Languages: C++, JavaScript, Java

Frameworks and Libraries: React.js, Next.js, Express.js, Tailwind CSS, Shadcn, Daisy UI

Technologies and Tools: Node.js, MongoDB, API Testing, PostgreSQL, Postman, Git, GitHub, Zustand, Clerk, Stream.

Courses: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Computer Networks, Operating Systems.

Competitions / Achievements

- **Leetcode** [🔗](#) Solved 325+ questions 100 DAYS BADGE **SQL 50 BADGE**.
- **GFG** [🔗](#) 160+ Questions Ranked **100th** among 5K registered Amity students.
- **Coding Ninjas** [🔗](#) Solved 75+ question covering DSA topics (DP, Linked Lists, Trees, Graphs).
- **GitHub Contributions:** [🔗](#) Made **400+** contributions across **27** repositories, showcasing version control skills.
- **Dance Director**, Dance Club, Amity University – Led choreography for university cultural programs

Experience

Graduate Engineer Trainee - Indus Towers

Sept 2024 – Nov 2024

- **Telecom Infrastructure Maintenance:** Resolved **15+** network outages in coordination with field technicians.

Research Intern- CSIR-CMERI, Durgapur

July 2023 – August 2024

- **Soil Analysis with IoT:** Monitored soil response to NPK fertilizer using IOT and ThinkSpeak for data analysis.