

# Introduction

Hello! My name is **Riya Rastogi**, and I'm a passionate **Software Developer and Full Stack Engineer** with a strong focus on building modern, scalable, and user-friendly web applications.

I hold a **B.Tech in Electronics and Communication Engineering** from **Amity University**, where I graduated with a **CGPA of 8.63**.

I'm deeply driven by curiosity, creativity, and a desire to build impactful technology that solves real-world problems.

---

## Technical Skills

I have developed a strong command over both frontend and backend technologies.

### Languages:

- C++
- JavaScript
- Java

### Frontend Technologies:

- React.js
- Next.js
- Tailwind CSS

### Backend & Databases:

- Node.js
- Express.js
- MongoDB
- PostgreSQL
- Prisma

### Other Tools & Frameworks:

- Zustand
- Clerk (Authentication)
- GitHub
- RESTful APIs
- WebSockets

I am also well-versed in **Data Structures and Algorithms**, **System Design fundamentals**, and **Object-Oriented Programming**.

---

## Key Projects

Here are some of the most impactful projects I've built and worked on:

### 1. Interview Platform

A real-time coding interview platform integrating **video calling, screen sharing, and recording features** using **Stream** and **Clerk** for authentication.

- Designed for seamless interviewer-candidate interaction.
- Supported **1,000+ users** with real-time communication.
- Built with **Next.js, Node.js, and Prisma**.

### 2. Socially (Social Media Platform)

A fully functional **social networking application** built using **Next.js, PostgreSQL, and Prisma**.

- Features include authentication, post creation, likes, and real-time updates.
- Designed scalable database schemas and optimized API endpoints.

### 3. Real Estate App

A full-stack web app for **property listing and management**.

- Implemented **real-time chat** using WebSockets.
- Built with **React.js, Node.js, and MongoDB**.

### 4. PingUp

A **real-time messaging app** developed with the **MERN stack** and **Socket.io**.

- Enabled instant communication with user presence detection.

### 5. Cab Booking System (OOP Project)

An object-oriented project in **C++**, demonstrating **inheritance, polymorphism, and multithreading** for dynamic ride allocation.

---

## □ Problem Solving & Coding Practice

I actively practice **Data Structures and Algorithms** to improve problem-solving efficiency.

- Solved **325+ problems** on **LeetCode**
- Solved **160+ problems** on **GeeksforGeeks**
- Maintained **27 GitHub repositories**
- Completed **400+ GitHub commits**

This consistent practice reflects my dedication to writing optimized, readable, and efficient code.

---

## **Internships & Experience**

### **Graduate Engineer Trainee – Indus Towers**

- Worked on **telecom infrastructure maintenance and optimization**.
- Gained experience in handling technical operations and troubleshooting.

### **Research Intern – CSIR-CMERI, Durgapur**

- Conducted **IoT-based soil analysis research**.
  - Developed data collection and monitoring modules for agricultural automation.
- 

## **Leadership & Extracurricular Activities**

Beyond coding, I was the **Dance Director** of the Dance Club at **Amity University**.

- Led a team for university cultural events and performances.
  - Developed strong leadership, collaboration, and creative direction skills.
- 

## **Career Goals**

I aspire to work as a **Software Development Engineer (SDE)**, contributing to innovative projects that combine creativity and technology.

My goal is to join a dynamic organization where I can leverage my technical expertise and problem-solving mindset to create meaningful digital experiences.

---

## **✉ Contact Information**

If you'd like to reach out, please contact me at:

**riya02rastogi@gmail.com**

**7617827177**