

# PRANJAL AGARWAL

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## Education

**Jaypee University of Engineering and Technology**

**2021 – 2025**

*Bachelor of Technology in Computer Science and Engineering*

*CGPA: 8.8*

**St.Antony's Inter College**

**2019 – 2021**

*Senior Secondary (Class XII)*

*Percentage: 92.0*

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Machine Learning
- Object Oriented
- Database Management
- Operating Systems
- Computer Networks

## Experience

**Sarthi Digital Software Solutions Pvt. Ltd**

**June 2023 – Dec 2023**

*Software Developer*

- Collaborated closely with a team of experienced developers to design and implement **software solutions**, gaining valuable hands-on experience in full-stack development and contributing to the successful delivery of **11+ projects**.
- Worked on Email server setup in multiple projects, also worked on **FOACS-Automation** in SMB Projects using **FOACS-API, integrated APIs** to make website dynamic in nature.

**Defence Research and Development Organisation (DRDO)**

**Nov 2022 – Jan 2023**

*Research and Development Intern*

- Engaged in advanced research activities within the **IT Division at DRDO**, Pioneering the development of innovative solutions and technologies alongside a team of skilled scientists and engineers.
- Successfully deployed the software module for document upload and publishing, Achieving a **50%** reduction in document processing time and enabling the efficient management of over **10,000** documents.

## Projects

**Chatterbox** | *MERN stack (MongoDB, ExpressJS, ReactJS, NodeJS) and Socket.io*

[GitHub](#)

- Spearheaded the development of Chatterbox, a real-time chat application using the **MERN stack and Socket.io**, which garnered over **10,000 users** and Enabling seamless communication through instant messaging.
- Implemented **robust user authentication** and authorization, Securing access and privacy for users, resulting in a **30% increase** in user trust and engagement.

**Houseify** | *React.js, React Router Dom v6, Bootstrap 5 CSS, Firebase v9*

[GitHub](#)

- Streamlined House Search: Led the development of user-friendly browsing and search functionality in Houseify, Empowering users to effortlessly discover houses based on location, price range, and filters, resulting in a more **efficient house-hunting experience**. (e.g., Increased search efficiency by **40%** through intuitive filters, location-based search.)
- Integrated Messaging System: Facilitating direct communication between buyers and sellers, **enhancing the user experience, and facilitating seamless negotiations**. (e.g., Facilitated over **2,000** successful transactions through the integrated messaging system, Catalyzing efficient buyer-seller communication.)

**ApnaBharat-Bus-Booking-Reservation-System** | *Python, Tkinter, GUI, SQLITE3, API*

[GitHub](#)

- Created a fully functional online bus ticket reservation system with **automated booking**, client management, and passenger lists, resulting in a **50% increase** in online ticket bookings.
- Integrated a **real-time weather report API**, Equipping users with real-time destination weather information for informed seat booking decisions and Mitigating cancellations by **25%**.

## Skills and Interests

**Technical:** C, C++, Python, Java, Data Structures, Algorithms, Git, Javascript, MongoDB, React-JS, ExpressJS, NodeJS

**Non-Technical:** Teamwork, Leadership, Public Speaking, Versatility, Cricket

## Achievements

- **ACM ICPC Regionalist'23** - Qualified Asia Kanpur and Amritapuri Regionals.[Certificate](#)
- **Knight(1930)** on [Leetcode](#), **Specialist(1555)** on [Codeforces](#), **4 Star(1914)** on [CodeChef](#), **Rank-3** on [GFG](#).
- Secured **AIR 194** in Meta HackerCup, **Global 753th** in Google Kick Start 2023, **Finalist** TechGig Code Gladiators.
- **Open Source** Project Mentor in GSSoC'23, IWoC'23 KWoC'22 by IIT KGP, Selected for Beta-MLSA(**Microsoft**).
- Worked as a Lead Doubt Solver at CodeChef, Resolved over **200+ doubts**, delivering impactful technical guidance.
- Worked as **Google DSC Coordinator** and Led a chapter of 30+ members, Mentored and guided over **450 students**.