



Parth Agrawal

Roll No.: IIT2023506

B.Tech in Information Technology

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GitHub Profile

LinkedIn Profile

EDUCATION

- Indian Institute of Information Technology, Allahabad** 2023 - present
B.Tech, Information Technology CGPA: 8.92
- Christ Church Boys' Senior Secondary School, Jabalpur** 2021 - 2022
Central Board of Secondary Education, 12th Percentage: 92.8

UNIVERSITY PROJECTS

- YatriSewa** GitHub Repository
Platform for Maha Kumbh Mela 2025, Prayagraj
 - Engineered a full-stack platform for **40 crore+ tourists**, streamlining **accommodations**, **payments**, **SOS requests**, and **lost-and-found services** using **Django**, **Bootstrap**, and **SQL**.
 - Optimized **payment gateway** to process **10,000+ transactions daily** with **99.8% uptime**.
 - Enhanced **booking system**, managing **50,000+ bookings** with **35% faster performance**.
 - Deployed a responsive **SOS module**, resolving **150+ emergencies daily** and improving response time by **40%**.
- Manobala** GitHub Repository
Co-developed a Full-Stack Mental Health Support & Community Engagement Platform
 - Co-developed a **scalable MERN stack application** integrating **MongoDB**, **Express.js**, **React.js**, and **Node.js** for a seamless user experience.
 - Engineered **real-time chat functionality** using **WebSockets** and integrated an **AI-powered chatbot** via the **Google Gemini API** for mental health assistance.
 - Designed and optimized a **community forum** and **blog system** with **like**, **share**, **comment**, and **moderation** features to boost engagement.
 - Built an **admin dashboard** for user management, content moderation, analytics, and system monitoring.
 - Improved performance using **lazy loading**, **skeleton loaders**, **API caching**, and a responsive **Tailwind CSS UI** for enhanced UX.
 - Developed and maintained a **scalable database architecture** in **MongoDB**, efficiently handling **blogs**, **chats**, **comments**, and **user interactions**.
 - Collaborated in an **agile development team**, implementing best practices in **Git**, **CI/CD**, and **RESTful API design**.

TECHNICAL SKILLS AND INTERESTS

Languages: C,C++, Javascript, Java, Python, HTML/CSS

Developer Tools: VSCode, Git, GitHub, Figma

Framework and Libraries: NodeJS, ReactJS, Django,Bootstrap,Tailwind

Databases: MongoDB,SQL

Coursework: Data Structures and Algorithms, Computer Organization and Architecture, Operating System, Web Development, Theory of Computation, Object Oriented Methodologies , Database Management, Computer Network

Soft Skills: Teamwork, Problem-solving, Adaptability, Critical Thinking

POSITIONS OF RESPONSIBILITY

- Member, Nirmiti Fine Arts Society (Aug 2024 – Present):** Coordinated logistics and communication for 4 intercollegiate art events with 100+ participants and 20+ teams.
- Coordinator, Discover Yourself (Sept 2024 – Present):** Organised a 8-week Vedic and cultural learning series for more than 1000 students of IIIT A and MNNIT A.

ACHIEVEMENTS

- CodeChef:** kanha3 | Solved 390+ CP problems | Max Rating: 1498 | 2 Star.
- Leetcode:** kanha_12 | Solved 200+ DSA problems | Max Rating: 1725
- Qualified the prestigious **JEE Advanced** and achieved an impressive **99.219 percentile** in **JEE Mains**, outperforming over **1 million candidates**.
- Participated in esteemed hackathons such as **HackOut** and **OOC**, collaborating with teams of 4-6 members to develop innovative solutions within 36-hour timeframes. Delivered functional prototypes that addressed real-world challenges, earning recognition among **50+ participating teams** for creativity, technical execution, and teamwork.
- Gold Medalist in **IMO, IEO, NSO, 2022** .