

# TANMAY RAUT

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## EDUCATION

### Bachelor of Technology in Information Technology

Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded, India

CGPA: 8.60 / 10.0

Expected: 2026

## PROFESSIONAL EXPERIENCE

### Technical Head – ITSA Club

Sept 2024 – May 2025

Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded

- Directed technical fests, workshops, and hackathons, leading a team to win “**Best Departmental Club**”.
- Mentored students in software development, system design, and competitive programming.
- Organized coding contests and seminars with **200+ participants**.

## TECHNICAL SKILLS

Languages	Java, C++, Python, JavaScript, TypeScript
Core Concepts	Data Structures, Algorithms, OOP, Operating Systems, Computer Networks, DBMS
Backend	Node.js, Express.js, REST APIs, Prisma ORM, MongoDB, PostgreSQL
Frontend	React.js, Next.js, HTML, CSS, Tailwind CSS, Bootstrap
Developer Tools	Git, GitHub, Docker, Postman, Firebase, Linux

## PROJECTS

### Automated Transparent College System | [Live Demo](#)

*React.js, Node.js, Express.js, MongoDB, Tailwind CSS*

- Built an end-to-end **digital paperless college management platform** automating elections, complaints, budgeting, and approvals.
- Developed a **secure online voting module** with student email verification and real-time monitoring.
- Designed an automated **approval workflow system** with priority escalation and email notifications.
- Implemented real-time financial reporting with transparent tracking of expenses and fund allocations.
- Followed **MVC architecture** and **RESTful API** standards for scalable backend development.

### Neon Chat – Real-Time AI Chat App | [Live Demo](#)

*React.js, Node.js, Express.js, MongoDB, Socket.io, Zustand, DaisyUI, Gemini API*

- Developed a **real-time chat application** with Socket.io enabling secure two-way communication.
- Integrated **Gemini AI API** for smart chatbot responses and dynamic interaction.
- Used Zustand for **efficient global state management** across chat rooms and user sessions.
- Planned a responsive UI with **DaisyUI** supporting **30+ themes**.
- Reduced latency to under **100ms** by optimizing server-client data synchronization.

### Tatparya – AI SaaS PDF Summarizer | [Live Demo](#)

*Next.js 15, React 19, TypeScript, TailwindCSS 4, LangChain, GPT-4, Clerk, NeonDB, Stripe*

- Built a SaaS platform to summarize PDFs into **visually structured content** using GPT-4 and LangChain.
- Integrated **Clerk** for secure user authentication and protected API routes.
- Enabled **Stripe billing integration** with webhook events and user dashboards.
- Created **SEO-optimized** pages and responsive UI using Next.js 15 server components.

## KEY ACHIEVEMENTS

- Solved **700+ LeetCode problems**; achieved a contest rating of **1620+**, focusing on DSA and algorithmic thinking.
- Secured **1st rank** in an institute-level data structures and algorithms contest.