

TANMAY CHATURVEDI

Delhi, NCR

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 tanmay43

 tanmayc43

 Portfolio

EDUCATION

Indian Institute of Information Technology, Guwahati
B.Tech, Computer Science and Engineering

Expected May, 2027
CPI: 8.23/10

St. Mary's Christian School, Ghaziabad
Senior Secondary, Natural Sciences

2022
Percentage: 94.6%

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript

Databases: PostgreSQL, MongoDB

Technologies: Node.js, Express, Docker, Linux, Git

Relevant Coursework: Data Structures and Algorithms, Computer Organization and Architecture, Operating Systems, OOP, Artificial Intelligence, Database Management Systems

EXPERIENCE

Sopra Steria

Software Engineering Intern

May, 2025 - July, 2025
Express | Docker

- Built a scalable RESTful backend for a collaborative code snippet manager using **Express**, with modular routing and middleware for authentication and request handling.
- Implemented secure user authentication using **JWT** with **bcrypt** hashing, along with role-based access control for team features.
- Containerized the backend with **Docker** and used a base **PostgreSQL** image for data storage.
- Worked within an **Agile** framework and participated in **code reviews**.

PROJECTS

TheChoiceIsYours  

Matrix-inspired movie search engine that finds personalized recommendations

- Engineered a movie recommendation and watchlist service with a **Dockerized Express.js** backend.
- The service scrapes movie data and leverages the **Gemini API** to generate semantic recommendations based on natural language user queries, exposing the results through a **REST API**.
- Built a Matrix-inspired interactive interface for visualizing recommendations, integrated directly with the backend API.
- Managed the end-to-end deployment on a **Digital Ocean** droplet, ensuring secure and reliable access with **Cloudflare Tunnel**.

Wormhole – Secure Chat System (Ongoing)

Exploring a lightweight chat application with focus on real-time messaging and security.

- Prototyping a chat application in **Python** with basic real-time communication features.
- Exploring approaches to improve message security and reliability.

ACHIEVEMENTS

- Specialist** on **Codeforces** with a highest rating of **1442** and **3-star coder** on **Codechef** with a highest rating of **1629**.
- Qualified for ICPC regionals with a ranking of **1st** in IIIT Guwahati and **369th** nationally in the ICPC 2025 India Preliminary Round.
- Selected as a **National Finalist** in **Inspirathon 2025**, a premier innovation challenge by E-Cell, IIIT Guwahati.
- Solved **500+** algorithmic problems on **Leetcode** and earned the 100 Days 2025 challenge badge.
- Ranked **1124th** globally in Codeforces Round-948, Div-2 programming contest.
- Ranked **214th** globally in Codechef Starters-141, Div-3 programming contest.