

Tanya Tripathi

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EDUCATION

Bachelor of Technology (B. Tech) in Computer Science and Engineering	2022 - 2026
Pranveer Singh Institute of Technology, Kanpur	CGPA (till V semester): 8.4
XII (CBSE)	Academic score: 94.6% 2021
X (CBSE)	Academic score: 96.4% 2019




Career Objective: Motivated Computer Science student seeking opportunities to apply skills and gain experience in software development.

About Me: [Portfolio](#)

INTERSHIPS AND TRAININGS

- **Python for data science training at IIT Kanpur (2024)**  [Training Certificate](#)
This program has been a fantastic journey, deepening my understanding of data science concepts and honing my Python skills. I worked on many real-world projects, the major one being the **bug tracking system**.

PROJECTS

- DecoraAi**  <https://github.com/TANYATRIPATHI123/DecoraAI> *Next.js, FastAPI, OpenCV, PyTorch*
- Developed **DecoraAI**, an AI-powered web platform that accelerates interior design floorplan creation by integrating a drag-and-drop editor with AI-assisted suggestions and layout optimization.
 - Enabled **real-time client-designer collaboration** through WebSocket-based chat, allowing seamless sharing of preferences and images to reduce design time from 10–15 days to 3–4 days.
 - Implemented advanced features including **furniture-aware image processing** and a smart chatbot assistant.
- FiscalView**  https://github.com/TANYATRIPATHI123/FINANCE_DASHBOARD *Redux Toolkit, Material UI, Vite*
- Built with **Vite**, **Redux Toolkit** for state management, **Material UI** for UI components, and **Recharts** for visualizing financial data.
 - Powered by **Node.js** and **Express.js** for API handling, with **MongoDB** as the database to store financial data and machine learning models.
 - Integrated models for financial forecasting and predictions, with results visualized dynamically through **Recharts** on the frontend.
- Conversa**  <https://github.com/TANYATRIPATHI123/Conversa> *React.js, Node.js, MongoDB, Socket.io, Flutter*
- Conversa is a chat application (both web and mobile) with real time messaging functionality where messages are updated instantly without page reloads.
 - React interacts with Socket.io client to establish real-time communication with the backend.
 - MongoDB stores chat messages, user profiles, and chat rooms. Each chat message document includes sender ID, recipient ID, message content, and timestamp.

SKILLS

- **Programming Languages:** C/C++, JavaScript, Python
- **Coursework:** Data Structures and Algorithms, Software Engineering, DBMS, Operating Systems, OOPS in Java, OOPS in Python, Web Technologies, System Design and Machine Learning.
- **Database Management Systems:** Relational Databases (Oracle, MySQL), Non-Relational (MongoDB),
- **Frameworks and Tools:** Node.JS, Express, React.JS, Git, GitHub Workflows (Version Control)
- **Others:** FAST API, Web Sockets, REST API, HTML, Tailwind CSS, Unix, Linux

ACHIEVEMENTS AND INITIATIVES

- **Winner** of “Travel Tales” (2024) and The Story of Us” (2023) **oratory competition** held in college.
- **YouTube:** [Engineering Nerds](#) for motivating and guiding young engineering students in computer science field.
- **5 star coder** at [HackerRank](#), **500+** ([Leetcode](#)) questions across various platforms.
- **School Prefect** of batch (2020-2021).
- **Other Certifications** : [MY ACHIEVEMENT FOLDER](#)