

# Tanya Tripathi

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## EDUCATION




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

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

## 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

- FiscalView**  [https://github.com/TANYATRIPATHI123/FINANCE\\_DASHBOARD](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.
- Bug Tracking System**  <https://github.com/TANYATRIPATHI123/Bug-tracker> **Python, MySQL, Tkinter**
- The bug tracking system software, built using Python and its libraries, enables users to log, track, and manage bugs or issues within projects
  - MySQL is used for database management, allowing efficient storage and retrieval of bug records, user data, and project-related information.
  - Tkinter (for desktop apps), provide the front-end interface for users to interact with the system.

## 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).