

# TANMAY NAPTE

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## PROFESSIONAL SUMMARY

Entry-level Python backend developer with hands-on experience building CRUD-based web applications using Flask and Django. Strong understanding of backend routing, form handling, and database integration using SQLite. Solid academic foundation in data structures and problem solving. Actively improving skills in REST API design, backend architecture, and application deployment.

## EDUCATION

**MIT Arts, Commerce & Science College (MITACSC)**

Pune, Maharashtra

*Bachelor of Computer Application*

July 2023 – April 2026 (Expected)

Relevant Coursework: Data Structures, Algorithms, Database Management, Web Technologies, Software Engineering

**Chatrapati Sambaji Raje Jr. & Sr. College**

Jategoan Bk., Maharashtra

*Higher Secondary Certificate (12th)*

June 2022 – April 2023

## TECHNICAL SKILLS

**Programming Languages:** Python, C, C++, SQL, JavaScript

**Frameworks:** Flask, Django

**Databases:** SQLite, MySQL (basic familiarity)

**Tools:** Git, GitHub, Linux, Postman, VS Code

**Core Skills:** Backend Development, CRUD Operations, Database Design Basics, Problem Solving

## PROJECTS

### Student Management System

*Personal Project*

- Built a Flask-based web application to manage student records with full CRUD functionality
- Implemented attendance tracking with structured relational data storage
- Designed modular routing and handled form-based requests and responses
- Integrated SQLite database for persistent storage and deployed the application for public access
- Deployed the application using a cloud hosting platform and managed production configuration
- Developed responsive web interface using HTML, CSS, and Bootstrap for form-driven workflows
- Technologies: Python, Flask, SQLite, HTML, CSS, Bootstrap

### Smart Shared Expense Tracker

*Personal Project*

- Developed a web-based application to manage shared expenses among groups such as roommates or trips.
- Implemented group creation, member management, expense tracking, and settlement recording with real-time balance calculation.
- Designed backend logic to ensure accurate expense splitting and prevent invalid or over-settlements.
- Built a clean dashboard and group-wise views using server-side rendering with Flask templates.
- Focused on practical usability, data consistency, and responsive design for both desktop and mobile devices.
- Technologies: Python, Flask, SQLite, HTML, CSS, Bootstrap

### Data Structure Implementations

*Academic Project*

- Implemented fundamental data structures including linked lists, stacks, queues, trees, and graphs
- Practiced algorithmic problem solving with emphasis on time and space complexity
- Applied sorting and searching algorithms in academic problem scenarios
- Technologies: C, C++, Python

## ACHIEVEMENTS & ACTIVITIES

- Completed online courses in Python programming, Django framework, and backend fundamentals

- Maintained multiple personal projects on GitHub demonstrating backend development concepts
- Regularly practice problem-solving using data structures and algorithms

## **ADDITIONAL INFORMATION**

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**Languages:** English (Fluent), Hindi (Fluent), Marathi (Native)

**Interests:** Backend Engineering, System Design Basics, Open Source, Competitive Programming