

# PRANAV DANI

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## EDUCATION

### SUNY – Stony Brook University

Master of Science in Computer Science

May 2025

New York, USA

- Courses: Distributed Systems, System Security, Theory of Databases

### University of Mumbai – Thadomal Shahani Engineering College

Bachelor of Engineering in Information Technology (CGPA: 8.95 / 10.0)

May 2023

Mumbai, India

- Courses: Operating Systems, Database Management, Data Structure and Analysis, Computer Network And Network Design, Network Security, Computer Organization and Architecture, Data Mining and Business Intelligence

## PUBLICATIONS

### BackGen - Backend Generator | ICT4SD - Springer

August 2023

- A feature-rich software tool that automates the process of writing backend code for web applications.
- Creates a structure for data models and RESTful API endpoints, and generates executable code for the same in Golang.
- Generates approximately 48% of the code. (Depends on the use case.)

## EXPERIENCE

### Suven Consultants

Jun 2021 – Aug 2021

Software Intern

Remote

- Contributed to two Open Source Java projects - Home Inventory and Loan Management tool.
- Implemented the concept of Printable for printing the results generated by the application in PDF format using Java AWT and Graphics Library.
- Used SQLite3, JavaFX, and Java Swing components.

## PROJECTS

### ShareSpace | React.js, Tailwind, Firebase, Figma, Excalidraw | [GitHub](#)

Feb 2023

- Designed and built a web application for finding roommates.
- Has features like, filtering rooms based on user profiles, groups, and personal preferences.

### Short-Terms | NLP, HTML, CSS, JS, Python, FastAPI, Beautiful Soup | [GitHub](#)

Jan 2022 – Apr 2022

- A browser extension for summarizing website content with a single click.
- Uses NLP through Spacy to optimize the text without losing important meaning.

### MedEasey | Flutter, Firebase, Razorpay API, Figma | [GitHub](#)

Sep 2021

- An easy-to-use Android application to support the local pharmacies.
- Created custom designs for intuitive user experience using Figma.
- Implemented image picker and scanner to easily add prescriptions to cart.

### Maa-Sampati Marble and Granites | React.js, CSS, TypeScript, Firebase, Flutter | [GitHub](#)

Jul 2021 – Oct 2021

- An easy-to-use E-commerce platform for creating Granites and Marble quotations.
- Uses Flutter for the admin application through which the seller can check the status of quotations.

### Expense Tracker | Flask, Jinja, PostgreSQL, Heroku | [GitHub](#)

Apr 2021 – Jun 2021

- A web app for recording and managing personal expenses which also supports creating bulk expenses and importing user data in CSV and Excel formats for personalized editing.
- Provides the functionality to create personalized budgets based on multiple categories.

## SKILLS

**Languages and Frameworks:** Java, Python, C, C++, React.js, Node.js (Express.js), Flask, HTML, CSS, JS

**Databases and Tools:** MySQL, MongoDB, PostgreSQL, GitHub, Firebase, Heroku, Git, Figma, GitHub Actions

## EXTRACURRICULAR ACTIVITY

### Our Tech Community (OTC) | [ourtech.community](https://ourtech.community)

May 2022 – present

Admin

- A Tech-loving open-to-all community with 400+ current members.
- Hosted 200+ hours of weekly [OTC CatchUp](#) sessions since May 2022 involving technical discussions, project showcases, and talks.
- Organized two in-person [OTC MeetUp](#) event with 60+ attendees.

### Google Developer Student Clubs TSEC

Aug 2021 – Jul 2022

Core Team Member

- Involved with organizing and planning multiple technical events and maintaining a community with over 500 students.

### ISTE-TSEC

Jul 2021 – Jun 2022

Senior Committee Member

- Organized three major events with multiple technical events.
- Conducted coding challenges, workshops, and competitive coding contests for students.