

Taniya Souza

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PROFESSIONAL EXPERIENCE

Frontend / Design Technologist, frog by Capgemini Invent 01.2025 – Present
Bengaluru

- Shadowed a team working on automated insurance policy verification using n8n and DeepOpinion.
- built reusable, accessible UI components with React, TypeScript, Tailwind, and Storybook.
- Delivered a full-stack journaling app with Supabase, Typescript, Tailwind css and Next Js.
- enforced coding standards via ESLint/Husky, followed atomic design, and collaborated through GitHub and CI.

INTERNSHIPS

Web Development Internship, Baskethunt Pvt Ltd [🔗](#) 03.2024 – 05.2024
Bengaluru, India

- Implemented data loss prevention in OnlyOffice, reducing breaches by 25% and boosting data availability by 10% through improved backup sync.
- Automated HR workflows with a custom Frappe dashboard, increasing employee productivity by 30%.

Design Lead, Google Developers Student Clubs Dr AIT (GDG On Campus) 06.2023 – 06.2024
Bengaluru, India

- Handled the marketing of the club by creating posters, banners, logos and posts on social media using tools like Figma, maintained the brand identity of Google.

Organiser of COLOSSUS (National Level Hackathon), Dr Ambedkar Institute of Technology 09.2024
BENGALURU, India

- Managed the social media pages and got in sponsors, judges and participants.
- Coordinating multiple teams (marketing, logistics, tech, content, etc.).

PROJECTS AND EXPLORATIONS

JournalMind [🔗](#)

- Designed and developed **JournalMind**, a full-stack journaling app using **React, Next Js, TypeScript**, and **Supabase**, based on research with **8 primary users**; addressed key pain points like lack of consistency and emotional disconnect by integrating mood-based prompts and personalized nudges.

Fitness App [🔗](#)

- Real-time monitoring **OpenCV** webapp
- Built the backend with **python** and **React** for frontend.
- Used **AWS** services to host the website.
- **Purpose**: Healthier lifestyle change for the ones having no access to neither trainers or gyms especially **homemakers** and **women**.

Travel Planner [🔗](#)

- A real-time travel itinerary generator that creates budget-friendly plans while considering weather conditions.
- Built using **React** for the frontend, **Python** for the backend with **Flask API, Google Gemini model, Google PaLM model, Visual Crossing Weather model**, and **MySQL database**.
- **Purpose**: To save time, enable effective planning, boost tourism, and assist users in navigating new cities effortlessly.

Image Segmentation and inpainting [🔗](#)

- Integrated cutting-edge AI models (**Grounding DINO, SAM, Stable Diffusion**) for advanced **object detection, segmentation and image inpainting**.
- Built using **Python** and modern deep learning frameworks, deployed via Google Colab for accessibility.
- **Purpose**: Democratize access to state-of-the-art computer vision tools, enabling researchers and developers to perform complex image analysis without extensive expertise.

ACHIEVEMENTS

CodeSprint2.0 Winner, Nitte Meenakshi Institute of Technology, Yelahanka [🔗](#) 02.05.2024

ambITION 24 hours national level hackathon(2nd runners-up), Bangalore Institute of Technology [🔗](#) 07.07.2024

2nd Runnersup of National Social Hackathon 2024, CMR Institute of Technology [🔗](#) 31.05.2024

Flipkart Grid 5.0 Round 2, Flipkart [🔗](#) 01.10.2023

Recurzive Hackathon 2nd round, Dayanand Sagar College of Engineering and Technology [🔗](#) 05.07.2024

EDUCATION

Bachelor of Engineering (Computer Science and Engineering),

2021 – 2025

Dr Ambedkar Institute of Technology, Bengaluru

Pre-University College, St Agnes PU College, Mangalore

SKILLS

Languages & Platforms: C++ (basic), Python, Java, JavaScript, TypeScript, Linux

Frameworks & Libraries: React, Tailwind CSS, Storybook

Tools: Git, GitHub, ESLint, Husky

Testing & QA: Unit Testing, Component Testing, Storybook Testing, pytest, gtest (learning)

Software Engineering: Object-Oriented Programming (OOP), Object-Oriented Design (OOD), System Design, Agile (Scrum), Technical Documentation

Cloud & Hosting: AWS, Google Colab, Supabase

Databases & APIs: MySQL, MongoDB, REST APIs, Supabase.

Other Skills: Machine Learning, Algorithms, Figma, CI/CD Pipelines

CERTIFICATES

- Foundations of User Experience(UX) by Google [↗](#)
- Web Development with HTML, CSS, JavaScript Essentials (IBM Certification) [↗](#)
- Introduction to Cloud Computing (Google Cloud Platform) [↗](#)
- Understanding APIs and RESTful APIs Crash Course [↗](#)

INTERESTS

Reading books, Fitness, writing articles | Figma | Attending and organising tech meetups, hackathons