

# Tanisha Paryani

858-886-9135 | [tparyani581@gmail.com](mailto:tparyani581@gmail.com) | [tanishaparyani.github.io](https://tanishaparyani.github.io)

## EDUCATION

### Georgia Institute of Technology

Bachelors of Science in Computer Science, Dean's List GPA: 3.7

Atlanta, GA

Aug. 2023 – May 2026

### Palomar College

Dual Enrollment/Transfer GPA 4.0

San Diego, CA

Aug. 2022 – May 2023

## EXPERIENCE

### Freelance Mobile Application Developer

January 2025 – Present

Scatter/Plot LLC (Founder: Todd Craig)

Remote

- Conceptualized, designed, and developing a virtual headstone database mobile app, creating an intuitive and empathetic platform for commemorating loved ones and pets with a user-centric front-end in React Native and TypeScript.
- Built a secure and scalable back-end with Python (Flask) and Supabase with PostgreSQL and GraphQL, incorporating GPS-based geolocation, database encryption, and user authentication to protect sensitive data.

### HCAI/XAI Research Assistant

August 2024 – Present

Co-Well Comp Lab @ GT

Atlanta, GA

- Developing a full-stack web application using Flask, LangChain, and Microsoft Azure OpenAI API to support career development for neurodivergent job seekers, emphasizing model customization and explainable outputs. Prototyped with Figma.
- Built an interactive and accessible frontend with ReactJS, Vite, TailwindCSS, utilizing Node.js for server management, and MongoDB for data storage.
- Exploring the real-time adaptability of LLMs through prompt engineering and user feedback integration.

### Undergraduate Researcher

January 2024 – Present

Resilient and Healthy Buildings VIP @ GT

Atlanta, GA

- Modeling spatiotemporal dynamic of COVID-19 spread with Python (Matplotlib, Pandas) in healthcare settings to identify variables on general virus spread
- Develop matrices of infection probabilities, construct scenarios, run tests for agent and object variables

### Software Engineering Intern

May 2024 – August 2024

Attollo Engineering

Camarillo, CA

- Developed an Android mobile application from scratch with Kotlin to interface with Attollo's military-grade laser range finder, reducing operation time by 50% of traditional microdisplay. Prototyped with Figma.
- Conducted alignment and calibration of laser range systems within the electro-optical engineering laboratory.
- Integrated GraphQL for efficient data management, enabling seamless profile creation and storage of LRF settings.

### Android Developer Intern

May 2023 – August 2023

Healthcoco

Remote

- Designed and implemented a dynamic dual-user interface on Android Studio with Jetpack Compose UI, enabling over 20,000 doctors to seamlessly connect with patients in remote areas of India, significantly improving healthcare accessibility.

## PROJECTS

### Leaf & Loom – HackGT '24 | Django, Python, HTML/CSS

September 2024

- Built an eco-friendly marketplace web app with Django, using MySQL for data storage, Python + HTML/CSS for an interactive UI.
- Established user authentication, product addition/filtering, and navigation features to promote sustainability-focused product exchanges.

### Maze Dungeon Crawler | C++

August 2023 – December 2023

- Developed a dungeon crawler with procedural level generation, turn-based combat, character progression, and dynamic enemy AI using C++.
- Integrated power-ups, inventory management, and NPC interactions, while optimizing performance and ensuring stability through testing and debugging.

## TECHNICAL SKILLS

**Languages:** Java, Kotlin, Python, C, C++, JavaScript, TypeScript, SQL, HTML/CSS

**Frameworks/Tools:** Django, Flask, ReactJS, React Native, Node.js, TailwindCSS, Docker, JUnit, Jupyter Notebook, Figma

**Mobile/Web Development:** Android Studio, Jetpack Compose, ATAK

**Databases/Cloud:** PostgreSQL, MongoDB, Supabase, GraphQL, Microsoft Azure OpenAI API

**AI/ML:** PyTorch, LangChain, Prompt Engineering

**Relevant Coursework:** Data Structures and Algorithms, Design and Analysis of Algorithms, OOD/Agile Methodologies, User Interface Design, Intro to AI, Linear Algebra, Differential Equations, Discrete Mathematics