

# Pranati Madala

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## EDUCATION

Georgia Institute of Technology

Atlanta, GA

B.S. Computational, Concentrations in People and Interaction Design

May 2025

## Technical Skills

**Coding Languages and Frameworks:** Java, Python, SQL, XML, ZPL, ReactJS, JavaScript, Angular, HTML/CSS

**Tools:** Figma, FigJam, Adobe Photoshop, Adobe Illustrator, NodeJS

**UX Skills:** Human-Centered Design, Design Systems, User Research and Testing, Prototyping, Wireframing

**Methodologies:** Agile, Lean UX

**Certifications:** Amazon Web Services Cloud Practitioner, Python Entry Level Certification

**Awards:** Won 1st place at Georgia Tech's 10th annual HackGT X hackathon

## EXPERIENCE

### WABTEC CORPORATION

*Angular Development Intern*

May 2024 - July 2024

- Implemented enhancements in Angular for production data to improve consistency and load times across 50+ reports
- Designed and prototyped UI for tracking Intelligent Tools using Figma, optimizing user experience and efficiency
- Developed wireframes and prototypes for production data landing page in Figma, enhancing navigation and accessibility through iterative design improvements
- Cross-functional team collaboration to develop UI for tracking changes in parts using Angular and TypeScript

*Technology and Operations Part-time Co-Op*

September 2023 - April 2024

- Developed comprehensive end-user documentation for a new PO system within Oracle, significantly reducing IT support incidents by improving user understanding
- Conducted data analysis to compare new and legacy PO systems, utilizing quantitative data to identify usage patterns
- Implemented a system for label generation using Zebra Programming Language

*IT Summer Intern*

May 2023 - July 2023

- Developed RACI role charts and documentation to clarify responsibilities and enhance communication within the team
- Created SQL-based alert messages to accommodate data changes, improving the accuracy of email notifications
- Interacted with stakeholders to develop UI for internal forecasting web application using Angular

*Software Engineering Intern*

May 2022 - July 2022

- Created dashboards using Data Dog to monitor data pipeline strength, enhancing data visibility and system reliability

## UNIVERSITY PROJECTS

### GT Vertically Integrated Projects

*UX Designer and Developer*

August 2023 - Present

- Converting user requirements into intuitive user interfaces for healthcare professionals, leveraging qualitative research methods such as interview and usability tests
- Conducted user research and incorporating user feedback to refine wireframes and high-fidelity mockups in Figma
- Developed the Administration Portal using ReactJS, ensuring a user-friendly, accessible, and responsive design

### Student Healthcare App

January 2024 - April 2024

- Designed app to provide students with accessible and convenient booking services for doctor appointments and improve financial transparency between the user and healthcare provider

### Clean Cart

October 2023

- Designed and developed an app to help users make smarter food choices by analyzing food processing levels and suggesting healthier alternatives and implemented a recommender system to enhance user decision-making