Pranati Madala

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
B.S. Computational Media   May 2025

WORK EXPERIENCE

GT Vertically Integrated Projects   Atlanta, GA
UI/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

WABTEC CORPORATION

                                            Pittsburgh, PA
UI/UX Development Intern   May 2024 - July 2024
- Implemented 3 UI enhancements in Angular for production data reports to align with new UI standards, improving consistency and load times across 50+ reports
- Designed UI using Figma for Smart Tool Integration in a new MES application, optimizing user experience and efficiency
- Developed wireframes and prototypes for the OpsVision Reports landing page in Figma, refining navigation and accessibility through usability testing
- Collaborated with stakeholders to develop the Quality Alerts UI in MES 3.0 Application using Angular and TypeScript, enhancing usability through human-centered design

                                            Remote
Technology and Operations Part-time Co-Op - Oracle ERP   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

                                            Pittsburgh, PA
Finance Project Management 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
- Collaborated with IT interns to develop the UI for an internal forecasting web application using Angular, focusing on user needs and functionality

                                            Erie,PA
Software Engineering Intern   May 2022 - July 2022
- Created dashboards using DataDog to monitor data pipeline strength, enhancing data visibility and system reliability

UNIVERSITY PROJECTS

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

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

ADDITIONAL

Technical Skills: XML, ZPL, Figma, ReactJS, JavaScript, Angular, HTML/CSS, SQL, Java, Python
UX Skills: Human-Centered Design, Design Systems, User Research and Testing, Prototyping, Agile, Lean UX
Certifications & Training: Amazon Web Services Cloud Practitioner, PCEP-Certified Entry Level Programmer
Awards: Won 1st place at Georgia Tech's 10th annual HackGT X hackathon