Manikanta Kasarla
UI/UX Designer

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Profile Summary

UI/UX Designer with 6+ years of experience creating intuitive, accessible, and highly usable digital solutions across diverse range of web and mobile applications. I am proficient in the full UX lifecycle, from research and design systems to hands-on development, translating high-fidelity mockups into production-ready code using modern web technologies.

Experience

KTech Products LLC, Dallas, TX   Sep 2019 – Present
Project: *DigiScript – AI-Powered Transcript OCR and SIS Automation*   *Jan 2023 – Present*
Higher-Ed Clients: Tarleton, TAMUCT, TAMIU, TAMUT, Montclair, TSU, OSU - OKC, OSU - OKM, LMU, ORU

- Architected the entire application's interface, designing all screens, user flows, and interactions to be fully responsive and accessible, including a robust file management system with drag-and-drop, progress indicators, and error previews.
- Conducted usability and accessibility audits using axe DevTools, NVDA, and VoiceOver. Partnered with ML and RPA teams to fine-tune data parsing. Delivered Agile-led sprints, aligning deliverables with client goals.
- **90%** faster upload-to-SIS processing, **80%** fewer support tickets, and **90%** increase in first-time success rate across 10+ universities. Enhanced accessibility for assistive tech users.

Project: AP Invoice Automation – Web & Mobile Platform   *Sep 2021 – Dec 2022*
Clients: ACE Parking (San Diego, CA, United States), Essen Health Care(Bronx, New York, United States)

- Created an accessible invoice upload UI integrated with NetSuite and PeopleSoft. Built dashboards for real-time tracking and PO matching. Ensured WCAG 2.1 AA compliance via rigorous accessibility tooling.
- Developed modular React components (TypeScript + Tailwind CSS) for scalable UI. Integrated real-time updates via WebSockets and improved error/state handling.
- Designed mobile-first, offline-ready workflows for invoice capture and approval. Built accessible, low- to high-fidelity prototypes in Figma. Conducted user research with field staff to simplify workflows.
- Lowered user error rates by **70%**, accelerated processing by **90%**, enhanced user visibility and trust. Reduced drop-off and errors significantly; enhanced submission reliability; cut rework by **80%**.

Project: CRM-Online Admission Portal   *Sep 2019 – Aug 2021*
Clients: State Board for Community & Technical Colleges (SBCTC), Washington, United States

- Led the frontend development using React, creating a fully accessible (WCAG 2.1 AA) and responsive portal that improved application completion rates by **90%**.
- Supported **350K+ applicants** annually, providing a smooth and accessible admission process. Improved applicant success rate by **75%**, ensuring more students completed submissions. Strengthened system performance and scalability, cutting load times by **90%**.

Technical Skills

Design	:	Figma, Adobe XD, Sketch, Photoshop, Illustrator
Languages& Frameworks	:	React, Angular, TypeScript, React Native, HTML5, CSS3, JavaScript, Bootstrap, Material UI, Python, Fast API, Flask
Accessibility	:	WCAG 2.1 AA, Section 508, ADA, ARIA, screen reader (NVDA, VoiceOver) testing
UX Research	:	Usability testing, surveys, heuristic analysis, personas, Storybook, reusable components
Methodologies	:	Agile/Scrum, stakeholder engagement, public-sector projects

Education

CMR Technical Campus, JNTUH University   India
Bachelor of Technology in Mechanical Engineering   *Jan 2015 – Dec 2019*