

Sridharan Murugesan

Senior Product Designer

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SUMMARY

Senior Product Designer with 6+ years designing AI-enabled, enterprise-scale platforms across healthcare, government, fintech, and SaaS. Delivers end-to-end experiences spanning conversational AI, LLM-powered and OCR-driven workflows, eligibility and case management systems, and identity governance, backed by front-end fluency (HTML, CSS, JavaScript, React, Angular) that accelerates design-to-development handoff. Partners closely with engineering and product teams to translate complex operational requirements into scalable design systems, improving task success rates and workflow efficiency.

CORE COMPETENCIES

Product & UX Design: End-to-End Product Design, User-Centered Design, Information Architecture, Interaction Design, Complex & Regulated Product Design (Fintech, Healthcare, Pharma), Enterprise UX, SaaS Product Design, Dashboard Design, Mobile-First & Responsive Design, User Flows, High-Fidelity Mockups

Research & Evaluation: User Interviews, Usability Testing, Heuristic Evaluation, Competitive Analysis, Cognitive Walkthroughs, A/B Testing, Journey Mapping, Affinity Mapping, Surveys & Contextual Inquiry

Design Systems & Accessibility: Enterprise Design Systems, SaaS Design Systems, Healthcare Design Systems, Design Tokens & Theming, Component Libraries, Scalable UI Architecture, Motion & Micro-Interactions, Responsive Web & Mobile Design, Accessibility (WCAG 2.1 / 2.2 AA), Inclusive Design, Accessibility Testing (Stark, Axe DevTools), Usability Documentation

Design & Prototyping Tools: Figma, Figma Motion, Adobe XD, Sketch, Adobe Creative Suite, Webflow, Framer, Miro, Balsamiq

Front-End Development: HTML, CSS, JavaScript, Angular, React, Bootstrap, WordPress

AI Tools: ChatGPT, Claude, Gemini, Perplexity, VO, Lovable, Midjourney, Higgsfield, Eleven Labs, Cursor AI, GitHub Copilot, Figma Make, Uizard, Relume AI, Bolt.new, Visily AI, N8n Workflows

Collaboration & Handoff: Agile/Scrum Collaboration, Design-to-Development Handoff (Figma Inspect/Dev Mode), Jira, Notion, Slack, MS Teams, Confluence, Trello, Monday.com

EXPERIENCE

ZYTUS Inc (Contract with Texas Health & Human Services Commission)

Oct 2025 – Present

Senior Product Designer

Austin, TX

- Leading UX design for the Texas Eligibility Determination System (TEDS) modernization, redesigning legacy TIERS-based case management workflows for SNAP, Medicaid, and TANF programs serving 10K+ internal users statewide.
- Designing AI-assisted OCR document intake and data extraction experiences within TEDS, reducing manual processing effort by 35% and improving data accuracy.
- Converting finalized UX designs into Angular-ready UI specifications and building reusable design system components across 8+ enterprise modules, accelerating feature delivery by 30%.
- Improved task success rates by 15% through usability testing and workflow simplification, in close collaboration with Angular engineering teams and HHSC business analysts.
- Led the end-to-end redesign of Community Care Services Eligibility (CCSE), migrating a SharePoint-based process into a standalone enterprise web application, reducing case processing time by 55% by reimagining intake, document review, eligibility, and task action workflows.
- Designed structured queue management systems (Global, Personal, and Team Queue), improving workflow visibility and streamlining task routing and reassignment for HHSC operational teams.

RADcube LLC

Jun 2025 – Oct 2025

Senior Product Designer

Carmel, IN

- Led end-to-end UX for six AI-powered enterprise platforms, including the OSM Buddy healthcare chatbot, OCR Dashboard, Purdue IGA Portal, AI Readiness Assessment, Inmate Monitoring System, and IndyGov AI Chatbot.
- Designed the OSM Buddy conversational AI experience in collaboration with CQL Collaborative, including guided health journeys, anonymous chat, and health score assessments, improving user engagement and accessibility by 30%.
- Designed intelligent OCR dashboards and identity governance (IGA) workflows for Purdue University covering access management, approvals, and user lifecycle, reducing manual processing effort by 25%.
- Translated LLM, OCR, and intelligent automation capabilities into scalable enterprise workflows, reducing design iteration cycles by 30% through usability testing and collaborative workshops.
- Built reusable React-ready design system components and internal project tracking dashboards, accelerating engineering handoff by 35%.

Saffron Valley

Jan 2025 – Apr 2025

Senior UI/UX Designer

South Jordan, UT

- Led end-to-end redesign of a restaurant and culinary institute platform spanning online ordering, program enrollment, donations, events, and volunteer flows, improving task success rate by 40%.

- Conducted moderated usability testing and interviews with 25+ participants, producing 50+ wireframes and interactive Figma prototypes alongside a reusable design system that increased user engagement by 35%.
- Documented interaction patterns and accessibility standards to support implementation and handoff, reducing developer clarification requests and accelerating build time on new features.

Indiana University Indianapolis

Aug 2023 – May 2025

Research Assistant

Indianapolis, IN

- Designed gamified web and mobile experiences and AR/VR storytelling concepts for the Indiana Avenue History Project, improving user engagement and accessibility by 27%.
- Built mobile-responsive nonprofit websites, including Opening Village Doors on Wix, using HTML, CSS, and JavaScript, and improved accessibility through WCAG-compliant digital documents.
- Contributed to the SAVI Web Stats Reporting Dashboard for the Polis Center, improving data accessibility for community users.

Edvoy Technologies Private Limited

Sep 2022 – Jun 2023

Product Designer

India

- Redesigned core web and mobile flows for a global education-tech platform; user engagement rose from 30% to 85% based on Hotjar/Google Analytics behavior analysis and A/B testing.
- Introduced AI-assisted course recommendations personalizing discovery by student priorities, eligibility, and university acceptance probability; designed a standalone mobile app for course search, profile, and application tracking.
- Created 200+ wireframes, responsive interfaces, and interactive Figma prototypes; designed branding and event creatives that improved social media visibility and student outreach.

MResult Services

Jul 2021 – Aug 2022

UI Designer

India

- Designed enterprise analytics dashboards for pharmaceutical clients, including Pfizer and Amgen, improving information hierarchy and workflow efficiency and increasing retention and task completion rates by 25%.
- Led UI/UX design for Cheggout, a rewards and coupon engagement platform integrated into banking apps including Bank of Baroda and Indian Bank, designing promo code and reward redemption workflows and building reusable UI component libraries that streamlined design handoff.

Fintuple Technologies

Dec 2019 – Jul 2021

UI/UX Designer

India

- Designed wireframes, user flows, and interactive prototypes for Fintuple's investor onboarding and fund analytics platform, turning complex PMS/AIF fund data and e-KYC workflows into intuitive, responsive web and mobile experiences.
- Built design systems and HTML prototypes for cross-product consistency, and developed frontend implementations in Angular from approved designs.
- Ran usability testing and stakeholder workshops with AMCs and distributors to simplify investor onboarding and fund-reporting workflows, improving usability and user satisfaction across the platform.

PROJECTS

Mobility and Logistics Optimization for Food Pantry

Aug 2024 – May 2025

Indiana University Indianapolis

Indianapolis, IN

- Designed inventory tracking and volunteer coordination tools in partnership with the Toyota Mobility Foundation; usability testing showed a 70% reduction in inventory search time and a System Usability Scale score of 71.67/100.

Smartwatch Design for First Responders

Jan 2024 – May 2024

Indiana University Indianapolis

Indianapolis, IN

- Developed a smartwatch prototype with health tracking, toxin alerts, and silent communication based on field research with first responders, improving emergency response speed by 30%.

EDUCATION

Master of Science, Human-Computer Interaction

Aug 2023 – May 2025

Indiana University Indianapolis

Indianapolis, IN

Bachelor of Technology, Computer Science and Engineering

Jul 2016 – May 2020

Sastra University

India

AWARDS

- 2nd Place - Data Visualization Competition, Indiana University Indianapolis (Dec 2024); Led UX research and design for the SAVI Web Stats Reporting Dashboard, improving data accessibility and usability.
- Peer Recognition Award, MResult Services, India (Nov 2021); Recognized for delivering effective, user-centered design solutions across client projects.