

Jasprit Kaur

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Education

Georgia Institute of Technology — Master's in Computer Science

Jan 2025 – Aug 2027

- Coursework: Human Computer Interaction, Educational Technology

Projects

Centralized Health Care System

Jan 2025 - Mar 2025

Goal: To redesign a patient portal that simplifies access to test results and makes them easy to understand, improves doctor-patient communication, and consolidates all health records in one intuitive platform for all family members.

- Developed and tested three alternative prototypes for key app screens; facilitated a usability survey where 71% of respondents preferred the data-visualization-focused homepage and 68% favored the cleaner message inbox layout.
- Used Agile development and drew results from chi-square tests for quantitative analysis on the data gathered from the survey.
- Achieved an 87% user preference for the redesigned data-visualization homepage and a 72% preference for the streamlined messaging inbox in final video prototype surveys.
- 92% of users felt less frustrated, could find information more quickly, and appreciated the improved experience, and 87% of users found it much easier to navigate the app, locate medical records, and communicate with doctors.

DIY Project Management App

Apr 2025 - May 2025

Goal: To create a gamified app that helps DIY enthusiasts plan, track, and stay motivated through management and inspiration.

- Led user research through surveys and interviews, revealing that 69% of respondents frequently engage in DIY projects, while 56% lacked a formal planning method, directly informing product requirements.
- Collaborated with a cross-functional team to benchmark three project management tools, using structured product reviews and comparative analysis to identify gaps in material tracking and collaboration features.
- Designed and iteratively tested a high-fidelity prototype, incorporating gamification and AI-driven inspiration; post-survey results showed 63% of users expressed interest in adopting the dedicated app, and 78% of users responded positively to the new features and the tailored approach to their needs.

Experience

Software Developer — DRC Systems, India

Jan 2022 - Mar 2023

Software, web and mobile app development company that assists businesses with software development.

- Created, tested, and published a reusable Angular component library to the public NPM registry, enabling rapid UI development and reducing front-end build time by 35%.
- Utilized Postman for comprehensive API testing, ensuring 99.9% uptime and reliability across all endpoints. Early detection and resolution of bugs led to a 30% reduction in post-release issues.
- Implemented robust input validation at both the front end and back end, eliminating 95% of user-generated errors and significantly enhancing application security, also led to the development of high-performance SPAs using the Angular framework, resulting in faster load times and improved user engagement metrics, average session duration increased by 18%.

Freelance Web Designer

Apr 2021 - Dec 2021

Clients: Alphapurple Foods, Hotel Janpath, Amrit Hotel

- Achieved a 19% increase in online orders for Alphapurple Foods by launching a streamlined ordering system, while introducing a new online menu feature that reached a 55% adoption rate among returning customers within four weeks.
- Conducted user research for Amrit Hotel and implemented iterative design improvements based on feedback. Post-launch surveys revealed a 22% increase in customer satisfaction scores and a 30% rise in positive online reviews. Additionally, the implementation of SEO best practices and mobile-responsive designs led to a 40% increase in organic local traffic.
- Revamped Hotel Janpath's booking interface, resulting in a 27% rise in direct online reservations over three months and a 15% reduction in customer support queries related to website navigation and hotel venue information.

Skills & Toolkit

- UX Design, Research & Testing: User interviews, User Experience, User Interface, Surveys, Usability testing, A/B testing, Heuristic evaluation, Wireframing, Prototyping, Persona creation, Journey mapping, Competitive analysis, User Centered Design, Data Analysis.
- Design Tools: Figma, Visual Studio Code
- Languages: HTML, CSS, Javascript, Typescript