BHARAT VYAS K

UX AND PRODUCT DESIGNER — SYSTEMS & ENTERPRISE WORKFLOWS

Edinburgh, Scotland • bharatvyask@gmail.com • +44 7542 958979 • Portfolio: bharatvyas.com • linkedin.com/in/bharat-vyas-kodamana

Status: UK Graduate Route (PSW) Eligible Upon Award (Aug 2026) — 2-Year Full Work Rights (No Sponsorship Required)

PROFESSIONAL SUMMARY

Systems-driven Product and Interaction Designer combining a Computer Science engineering degree with 3+ years of enterprise software implementation experience at Oracle Cerner and an MSc in Design and Digital Media from the University of Edinburgh. Specializes in translating complex clinical workflows, statutory regulatory mandates, and empirical user research into intuitive digital products, enterprise design systems, and responsive web applications. Bridges the gap between design research and software engineering by pairing rigorous human-computer interaction (HCI) methodologies with modern, AI-accelerated front-end workflows (Cursor, Claude Code, Framer) to rapidly validate interactive components, resolve technical edge cases, and accelerate product delivery.

CORE COMPETENCIES

- **Product & UX Design:** User Research (Qualitative & Quantitative), Usability Testing, Information Architecture, Clinical & Enterprise Workflow Mapping, Wireframing, User Journey Mapping, Rapid Prototyping, Design Systems Governance, Interaction Design
- **Design & Collaboration Tools:** Figma, FigJam, Miro, Git, Jira, Confluence, Vercel, Netlify
- **Prototyping & Front-End:** HTML5, CSS3, JavaScript (ES6+), React, Tailwind CSS, Component-Based UI Architecture, Responsive Design, State Management
- **AI-Augmented Development:** AI-Accelerated Prototyping (Cursor, Claude Code, Codex, Framer), Rapid Component Scaffolding, Prompt-to-Component Architecture, Front-End Code Refactoring

PROFESSIONAL EXPERIENCE

ORACLE CERNER — Bengaluru, India

Configuration Analyst (Promoted from Systems Intern, Jan 2022 – Jun 2022) — Jun 2022 – Sep 2025

- Mapped and configured complex clinical and administrative workflows across scheduling, registration, and patient accounting systems deployed across Cerner's network of 1,000+ partner hospital installations.
- Led technical configuration and workflow validation for US Federal 21st Century Cures Act compliance across 20+ hospital networks, delivering compliant user-facing reporting modules under strict government delivery deadlines.
- Facilitated structured cross-functional discovery and verification sessions with hospital administrators, clinical directors, and technical teams to identify operational bottlenecks and translate complex healthcare requirements into functional system specifications.
- Standardized implementation data models and deployment templates across client engagements, eliminating recurring configuration errors and driving operational efficiency across multi-disciplinary project teams.
- Earned both the Consulting Excellence and Consulting Navigators awards for continuous workflow automation, implementation accuracy, and cross-functional technical leadership.

EDUCATION

UNIVERSITY OF EDINBURGH (EDINBURGH COLLEGE OF ART) — Edinburgh, UK

MSc in Design and Digital Media (Interactive Systems, HCI, Practice-Based Design Research) — Sep 2025 – Aug 2026

JAIN UNIVERSITY — Bengaluru, India

BTech in Computer Science and Engineering (Software Engineering, Data Structures, Web Technologies) — Jul 2018 – Jun 2022

FEATURED PRODUCT & UX PROJECTS

CARDIOPAL — Connected Health Mobile Application & Usability Study — Figma, Usability Testing

MSc Interaction Design Case Study | Handheld Diagnostic Hardware

- Designed an end-to-end 25-screen mobile application prototype interfacing with a handheld EKG hardware device for at-home cardiac monitoring, rhythm classification, and clinical report sharing.
- Structured and executed 2 rounds of moderated usability testing across 7 participants, isolating critical drop-off points during hardware bluetooth pairing and multi-step diagnostic report generation.
- Restructured navigation architecture and redesigned the hardware onboarding sequence across 2 testing rounds (7 participants), validating unassisted task completion for 5 of 7 users on the revised diagnostic flow.
- Delivered a comprehensive design system featuring accessible typography, high-contrast diagnostic visualizations, and WCAG-compliant UI patterns tailored for high-stress health monitoring contexts.

FEATURED PROJECTS (CONTINUED)

BETTR. — Behavioral Interaction & Algorithmic Decision-Making System JavaScript, HTML5/CSS3, Vercel

Independent Speculative Web Artifact | Live Interactive Application

- Researched, designed, and built an interactive speculative web application investigating algorithmic optimization, cognitive bias, and user autonomy.
- Engineered custom branching decision logic and timer-based hesitation tracking to capture and analyze user response friction across 4 progressive evaluation stages.
- Conducted qualitative feedback sessions to evaluate cognitive tension, iteratively refining micro-interactions and interface feedback states to communicate decision consequences rather than passive content consumption.
- Leveraged Claude Code and Cursor to implement dynamic state machines and resolve timing-synchronization bugs across the 4-tier hesitation-tracking engine directly in browser environments.

ABOVE THE NOISE — Practice-Based Design Research Artefact Scrollytelling, Evaluative Research

MSc Practice-Based Design Research | Interactive Scrollytelling System

- Authored and coded an interactive 12-scene scrollytelling artifact examining personal narrative and digital communication through practice-based design research frameworks.
- Structured and executed an external participant evaluation study applying Zimmerman, Forlizzi, and Evenson's research contribution criteria to assess non-linear narrative comprehension and user engagement.
- Synthesized qualitative feedback matrices to refine spatial typography, scroll pacing, and visual transitions, demonstrating how practice-based research can validate interactive media artifacts.

BREAKING THE SMARTPHONE MOLD — Product Design Research & Market Analysis Qualitative Research, Industry Analysis

Qualitative Design Research Study | Industry Fieldwork (CMF by Nothing)

- Investigated consumer smartphone design convergence, conducting primary qualitative research anchored by an in-depth industry interview with a marketing professional from CMF by Nothing.
- Analyzed industrial design trends, material choices, and brand differentiation strategies across mid-tier and flagship consumer hardware ecosystems.
- Synthesized empirical findings into a strategic product case study detailing actionable opportunities for tactile, modular, and sustainable consumer hardware design.

DESIGN METHODOLOGY & ENTERPRISE SYSTEMS PROCESS

- **Discovery & User Research:** Stakeholder interviews, semi-structured user interviews, competitive benchmarking, heuristic evaluation, persona development, and clinical/enterprise workflow mapping.
- **Validation & Usability Testing:** Moderated usability testing, think-aloud protocols, cognitive walkthroughs, unassisted task completion benchmarking, and qualitative affinity diagramming.
- **Engineering Alignment & Delivery:** Git-based version control, design tokens, production-grade functional prototyping (React, Tailwind), AI-augmented workflow velocity, and API/data-model validation.