

# NISHAD ANIL PATNE

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Mid-Senior Designer and Engineer with **4+ years of experience** bridging user-centered design with technical implementation. Proven track record in leading strategic product pivots, developing full-stack applications, and driving measurable business impact through innovative EdTech and AI-powered solutions. Expert in enterprise applications with demonstrated ability to take complex projects from concept to deployment.

## Work Experience

### UX Designer

*Learning Engineering Institute, Arizona State University*

**Feb 2023 – Present**

*Tempe, Arizona*

- **Led strategic pivot and single-handedly architected desktop-first solution** replacing 3000+ cited Coh-Metrix software, designing and developing complete full-stack application with cross-platform deployment, saving critical project from failure and establishing new institutional development capability
- **Built comprehensive Teacher Portal from scratch** for iSTART Early EdTech platform serving K-12 educators, designing complex class management workflows and developing 10+ interactive learning modules using Articulate Storyline 360, directly supporting grant-funded academic research initiatives
- **Designed and implemented scalable design systems** across 3 educational applications with automated token pipeline, improving cross-team development efficiency by 50% and establishing enterprise-grade design standards adopted institute-wide
- **Led 6 comprehensive UX research initiatives** (4 internal usability studies, 2 external research projects including focus groups and user studies), mentoring junior team members while influencing strategic product decisions and contributing to papers in LAK2025 and JEDM conferences
- **Delivered measurable impact across all platforms** with 20% reduction in task completion time, 35% decrease in user abandonment, 35% increase in student engagement, and 20% improvement in learning comprehension through data-driven design optimizations

### Front-End Developer (Business Technology Analyst)

*Deloitte*

**Jan 2021 – May 2022**

*Pune, India*

- **Increased new user onboarding by 30%** through developing and implementing 7+ client change requests, collaborating with a team of 5 front-end developers and 25+ cross-functional professionals.
- **Enhanced inclusivity by 30%** by achieving web application accessibility compliance with WCAG AA/AAA standards and ADA, as measured by Accessibility Inspection tools.
- **Boosted user retention by 60% and reduced bugs by 25%** by rebuilding the enterprise-grade B2B web application from legacy Aura to Modern LWC framework within the Salesforce environment.
- **Improved communication and project** outcomes by facilitating cross-border meetings between US and India teams, ensuring clear translation of business requirements for over 5+ client change requests and upgrades.

## Projects

### ToolTips, Figma Plugin

**Oct 2023 – Nov 2023**

- Innovated and launched a Figma plugin to assist in creating tooltips after mastering Figma API; quickly gained traction with 5,500+ users and 300+ saves, reflecting high demand and utility.

### AI-Powered Portfolio Chatbot Project

**Mar 2025 – June 2025**

- **Architected production-ready RAG system** using Gemini LLM, Qdrant Vector Database, and Haystack framework, successfully pivoting from futile self-hosted architecture to scalable cloud solution deployed on Oracle Cloud
- **Transformed static portfolio into interactive conversational experience**, demonstrating advanced AI engineering capabilities and strategic technical problem-solving that positions portfolio as cutting-edge demonstration of modern development skills

## Education

### Master of Science, User Experience (Human Computer Interaction)

*Arizona State University*

**Aug 2022 – May 2024**

*Tempe, Arizona*

### Bachelor of Technology, Electronics Engineering

*Veermata Jijabai Technological Institute*

**Aug 2016 – Sep 2020**

*Mumbai, India*

## Certifications

- Career Essentials in **Generative AI** by Microsoft and LinkedIn ([Certificate Link](#))
- Human Research - IRB – Social and Behavioral Research ([Certificate Link](#))

## Skills

- **UX/UI & Product Design:** Information Architecture, User Flows, Wireframing, High-Fidelity Prototyping, Lean Product Design, Data Visualization, Design Systems Architecture
- **Development & Engineering:** HTML, CSS, JavaScript, Python, Django, React.js, Angular, Electron, PyInstaller, SQLite, Salesforce LWC
- **AI & Machine Learning:** RAG Systems, LLM Integration (Gemini + ollama), Vector Databases (Qdrant and Chroma), Haystack Framework, NLP Analytics Integration
- **UX Research:** Heuristic Evaluation, User Surveys, Moderated Usability Testing, Focus Groups, Human Factors Analysis, Persona Development, Cognitive Walkthrough, A/B Testing
- **Design Tools & Platforms:** Figma, Token Studio, Adobe Creative Suite, Articulate Storyline 360, Miro, Maze, Oracle Cloud, Material Design, Bootstrap