

MAHIKA SHAH

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SUMMARY

Product-focused Frontend Engineer and UX Designer with expertise in React Native, Flutter, JavaScript, and Figma, driving end-to-end product development from user research to implementation. Proven ability to align design and engineering to reduce QA issues and improve consistency, and a published author. B.S. in Computer Science & Engineering (Dec 2026).

EDUCATION & CERTIFICATIONS

University of California, Merced — B.S. Computer Science & Engineering Expected Dec 2026
Global Mentorship Initiative: Global Business Program · Udemy: Full-Stack Web Dev · Udemy: Product Management 2025

WORK EXPERIENCE

UX & Frontend Intern | GotGame | Flutter, Figma, JS Jun 2025 – Present

- Reduced **frontend QA issues by 20%** and enhanced **cross-platform visual consistency** by designing **high-fidelity Figma mockups** and implementing responsive Flutter screens with precise component styling.
- Boosted **user engagement** by resolving device-level UI inconsistencies through a **unified design system**, reducing visual regressions across the product.

Undergraduate Research Assistant | UC Merced | Python, MATLAB, Spatial Analysis Aug – Dec 2025

- Improved **research insight delivery speed** by building **automated Python pipelines** and MATLAB dashboards to analyze **large-scale climate datasets**.
- Streamlined **research workflows** by engineering scalable **spatial analysis tools** to visualize complex environmental trends.

Full-Stack Engineer Intern, Founding Team | Owting | JS, React Native, TypeScript Jan – Jun 2025

- Increased **cross-platform load speed by 10%** and improved **early user retention** by identifying bottlenecks and shipping **React Native performance optimizations**.
- Accelerated **MVP development** by conducting **user interviews** to define onboarding flows and translating feedback into **high-performance features**.

Blockchain & Web3 Security Researcher | Webacy | UX Research, Competitive Analysis Jul – Aug 2024

- Influenced the **product roadmap** for smart wallet & decentralized identity tools by delivering **UX-focused security recommendations** to stakeholders.
- Synthesized **competitive market intelligence** by auditing emerging blockchain startups to drive strategic product direction.

TECHNICAL SKILLS

Languages	Python, JavaScript, TypeScript, C++/C, Java, SQL, HTML/CSS, MATLAB
Frameworks & Libs	React Native, React, Next.js, TailwindCSS, TensorFlow, PyTorch, Flutter
Tools	Git, OpenAI API, Figma, AutoCAD, Arduino, L ^A T _E X

FEATURED PROJECTS

Instagram AI Song Redesign (In Progress) | Figma, UX Research, AI Feature Design 2025

- Redesigning Instagram Stories to let users **auto-select songs via AI** by conducting **user interviews** and defining **mood-based selection logic**, resulting in a more personalized and frictionless posting experience.
- Defined **product requirements** and interaction flows in Figma, aligning **UX decisions with user pain points**, improving **feature usability and engagement potential**.

Parking App (In Progress) | Figma, React Native, Team Collaboration 2025

- Designed an **AI-driven parking detection** concept that identifies open spots (marked and unmarked), improving parking efficiency and reducing search time for users.
- Owned **end-to-end Figma prototypes**, directly supporting **frontend implementation** in React Native and **strengthening design-to-development** alignment.

Alzheimer Retention Program (In Progress) | C++, React Native, Accessibility Design Oct 2024

- Engineered a **memory-assistance system** for Alzheimer's patients with **accessible UI** and healthcare **data integration**, **reducing clinic workload**, wait times, and improving routine adherence.

PUBLICATIONS

Morii: Learning to See Things Differently.

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