

MAHIKA SHAH

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SUMMARY

Computer Science engineer turned **product builder** - combining **frontend engineering** in React Native and Flutter with **UX design** and **AI/ML** product thinking to own the full arc from research to release. 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, Fusion 360

FEATURED PROJECTS

Context-Aware Noise Tool (In Progress) | Figma, UX Research, AI Feature Design, Fusion 360 2026

- Reduced self-reported burnout by **40%** in prototype testing by designing Sonar, a context-aware hardware + software focus tool tailored for cubicle workers.
- Validated **12+ product screens** across **8 user interviews** by resolving ethical ambient microphone constraints.

Alzheimer Retention Program | Figma, Accessibility Design 2026

- **Improved** patient routine adherence and reduced clinic workload by designing an **accessible memory-assistance system** for Alzheimer's patients.
- **Decreased** wait times and streamlined healthcare interactions by integrating **intuitive UI** with patient data **workflows and accessibility-first design** principles.

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.

PUBLICATIONS

Morii: Learning to See Things Differently.

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