

Sankritya Thakur

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EDUCATION

Arizona State University <i>Master of Science in Computer Science — GPA: 4.0</i>	Tempe, AZ Aug. 2025 – May 2026
Arizona State University <i>Bachelor of Science in Computer Science — GPA: 4.0 — \$90K+ Scholarship</i>	Tempe, AZ Aug 2021 – May 2025

EXPERIENCE

Software Developer Intern <i>SeeMe LLC</i> - Built privacy-first on-device AI system eliminating cloud dependencies with 2GB model downloads and real-time progress tracking, reducing AI latency by 70% for 1,000+ users across fully offline coaching experiences - Engineered full-stack iOS app using SwiftUI, MVVM architecture, SwiftData persistence, integrating voice synthesis (ElevenLabs API), streaming AI conversations, and dynamic customization across 200+ Swift files - Designed end-to-end UX flows including onboarding, session management, audio recording, and AI journaling by coordinating 50+ view models and complex state management	Aug. 2024 – May 2025 Phoenix, AZ
Software Developer Intern <i>HCL Technologies</i> - Developed responsive property listing pages and search functionality for real estate web application using React, JavaScript, and Node.js, improving page load times by 30% through code optimization - Collaborated with 5-person agile team across 3 sprint cycles, implementing RESTful APIs for property data retrieval and participating in daily standups and code reviews - Fixed 20+ UI bugs and implemented mobile-responsive design using CSS Flexbox/Grid, ensuring cross-browser compatibility across Chrome, Firefox, and Safari	Jan. 2023 – July 2023 Noida, India

PROJECTS

MomAI React, TypeScript, Tailwind, ML Hacks for Humanity & Best Design Winner - Architected full-stack nutrition platform with custom swipe UI, implementing state management and Context API for meal planning, macro tracking, and user workflows across 100+ recipes - Developed ML recommendation engine analyzing user engagement and dietary data, building multi-constraint filtering algorithms across 10+ cuisines and 7+ dietary restrictions	Oct. 2025
Crises.ai Next.js 15, TypeScript, React 19, PostgreSQL, ML Sunhacks - State Farm Best Hack for Safety - Engineered disaster intelligence platform with real-time Socket.IO streaming, integrating 7+ REST APIs through TypeScript ETL pipelines with PostgreSQL spatial database for sub-second alerts across 25K+ exposure zones - Built ML-powered claims forecasting with Gemini 2.5 Flash API and geospatial risk algorithms, leveraging Drizzle ORM, Redis caching, and React Query to predict disaster impact with 90%+ accuracy	Sept. 2025
InstaCare Next.js 14, TypeScript, React 18, Google Maps API, Groq AI WiCS - Best Hack for Social Good - Engineered real-time ER wait-time prediction platform integrating Google Maps and Groq AI to deliver context-aware predictions with 70% confidence by synthesizing 6+ dynamic factors (traffic, weather, urgency) - Architected full-stack healthcare app with parallel async prediction processing, dynamic confidence scoring, and interactive map visualization	May 2025

LEADERSHIP & SERVICE

Operations Support Specialist & Student Worker Lead <i>Arizona State University - Admissions Services</i>	May 2025 – Present Tempe, AZ
Office Assistant <i>Arizona State University - University Registrar Services</i>	Aug. 2022 – May 2025 Tempe, AZ
Gold Guide <i>Arizona State University - New Student Programs</i>	Jan. 2022 – Aug. 2022 Tempe, AZ
Lead Full Stack Developer <i>Devils Ad Astra Club - ASU Space Exploration Club</i> Key Achievements: Built Canvas LMS modules & Airtable automations • Managed 5,000+ Salesforce cases (95% satisfaction) • Collaborated with Enterprise Tech on infrastructure projects • Guided 200+ prospective students • Organized 50+ recruitment events • Improved operational efficiency 15% • Developed Next.js/React website • 4 years combined ASU experience	Mar. 2025 – Present Tempe, AZ

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Swift, SQL (PostgreSQL, MySQL), HTML/CSS, C++, R, Java
Frameworks & Libraries: React, Next.js, Node.js, SwiftUI, PyTorch, Scikit-learn, LangChain, HuggingFace
Developer Tools: Git, Docker, AWS (S3, EC2), Azure, Redis, Drizzle ORM, Socket.IO, Tailwind CSS
AI/ML: LLMs, RAG, NLP, Transformers, Prompt Engineering, Gemini API, Groq AI, On-Device AI
Data & Analytics: NumPy, Pandas, Tableau, PowerBI, Spark, PySpark, Airflow, Excel, DAX