

Thrisha Kopula

thrishak1@gmail.com | linkedin.com/in/thrisha-kopula/ | thrishakopula.github.io/ | +1.669-233-1495

EDUCATION

University of California Davis <i>Master of Science in Computer Science</i>	September 2023 - March 2025
University of California Santa Cruz <i>Bachelor of Science in Computer Science: Game Design</i>	September 2019 - June 2023

TECHNICAL SKILLS

Primary: TypeScript, JavaScript, Python, Java
Frontend: React, Next.js, React Native, HTML, CSS
Backend: Node.js, Express, Spring Boot, FastAPI, REST APIs
Databases: PostgreSQL, MySQL, MongoDB
Cloud & DevOps: Amazon Web Services (AWS), Docker, CI/CD
AI / GenAI: RAG, Large Language Models (LLMs), Prompt Engineering
AI Tools: Claude Code, GitHub Copilot, Cursor
Certifications: AWS Certified Cloud Practitioner, AWS Certified AI Practitioner

EXPERIENCE

Software Engineer <i>Healthcare Triangle</i>	October 2025 - January 2026 <i>Remote, USA</i>
• Led comparative benchmarking of 6+ small language models (SLMs) to inform production model selection for Readabl.ai's healthcare workflows	
• Defined and documented end-to-end architecture, establishing a scalable workflow used in production systems	
Graduate Student Researcher <i>University of California Davis</i>	April 2024 - January 2025 <i>Davis, CA</i>
• Built a real-time multiplayer AR application integrating Unity, Oculus VR, and live quadcopter control	
• Implemented physics simulation and synchronization logic to ensure low-latency, consistent multiplayer state	
• Optimized performance-critical systems to improve interaction accuracy under real-time constraints	
Frontend Developer <i>University of California Santa Cruz</i>	December 2021 - September 2023 <i>Santa Cruz, CA</i>
• Owned frontend improvements for 10+ production web pages serving 5K+ monthly users	
• Reduced page load times by 20% through layout, asset, and cross-browser optimizations	
• Integrated analytics (Google Analytics) to drive data-informed UI changes	
Software Engineer Intern <i>Autodesk</i>	June 2022 - September 2022 <i>San Francisco, CA</i>
• Improved reliability of a large-scale React + TypeScript codebase by adding Jest tests and fixing type-safety issues	
• Reduced production bugs by 15% through improved test coverage and stricter typing	
• Collaborated with designers and engineers to prototype and ship workflow improvements	

PROJECTS

PocketUp <i>React.js, Java, SpringBoot, PostgreSQL</i>	August 2025 - October 2025
• Developed a full-stack personal finance application enabling users to track income and expenses in real time, improving data visibility and usability	
• Constructed and deployed a scalable REST API in Java (Spring Boot) with PostgreSQL and Spring Data JPA	
Supportly (RAG Chatbot) <i>Next.js, Node.js, OpenAI API, Vercel</i>	February 2025 - April 2025
• Programmed a Retrieval-Augmented Generation (RAG) chatbot using Pinecone and GPT-3.5, delivering context-aware responses for FAQ-style queries	
• Deployed scalable Next.js + Node.js backend with Vercel, supporting 100+ concurrent users during testing	