

Sahil Kamal

Levittown, NY | (516) 534-6586 | sahilkamal.dev@gmail.com
linkedin.com/in/sahilkamalny | github.com/sahilkamalny | sahilkamal.dev

Summary

Full-stack Software Engineer and SaaS Founder who built Relearnable.ai serving 100+ active users with 60–70% retention. Winner of “**Best Use of AI/ML - 1st Place**” at RamHacks 2025. Experienced in full-cycle development, API integration, and identifying security vulnerabilities in production systems.

Education

Farmingdale State College B.S. in Computer Science	Farmingdale, NY Jan 2025 – Expected Dec 2026
Nassau Community College A.S. in Computer Science GPA: 3.8	Garden City, NY Jan 2023 – Dec 2024

Projects

Relearnable.ai – Full-Stack AI Learning Platform <i>Next.js, TypeScript, PostgreSQL</i> Live	Nov 2025 – Present
• Founded and deployed a production SaaS serving 100+ active users with 1,300+ AI-generated assessments and 60–70% 30-day retention	
• Engineered a Knowledge Correction Engine using RAG pipelines and vector embeddings to detect misconceptions and dynamically rebuild mastery through targeted curriculum trees, improving user placement test scores by 40% and validated by educators who discovered gaps in their own expertise	
• Reduced API costs by 30% and improved response times by implementing a hybrid caching strategy (Redis + PostgreSQL) for high-frequency queries	
• Achieved 50% faster load times via hardware-accelerated CSS and React server components, directly increasing session duration	
Tratlus – AI Travel Planning Platform <i>React, TypeScript, Firebase</i> Live	Jun 2025 – Oct 2025
• Architected an AI travel system generating personalized itineraries in under 30 seconds by capturing user preference data across interests, activities, and constraints	
• Integrated RESTful Google Maps and Calendar APIs with non-blocking async workflows to enable automatic scheduling, reducing manual planning time by 60%	
• Implemented background conflict detection and regeneration to prevent scheduling overlaps without blocking user experience	
FlavorBot – AI Recipe Generator (RamHacks 2025 Winner) <i>Java, JavaFX, SQL</i>	Jan 2025 – May 2025
• Won “ Best Use of AI/ML - 1st Place ” at RamHacks 2025 (Farmingdale State College Hackathon)	
• Developed an AI-powered recipe generator processing 400+ recipes with intelligent dietary constraint handling	
• Built an iterative LLM refinement interface, reducing recipe revision cycles by 25%	
Kairo – Interactive REPL OS Shell <i>Python</i>	Sep 2024 – Dec 2024
• Designed and implemented a domain-specific shell language supporting 1000+ chainable commands with composable return values	
• Built a type inference engine with automatic type conversions, reducing syntax errors by 30% across 20+ beta testers	

Experience

Security Engineering Intern Ax2 Technologies	May 2025 – Aug 2025 Mineola, NY
• Discovered and remediated a High-Severity IDOR vulnerability in a REST API through automated endpoint analysis, securing sensitive Stripe payment data for 200+ clients	
• Automated compliance auditing using PowerShell scripts, reducing weekly manual reporting by 70% (5+ hours/week)	
• Secured 75+ Windows endpoints via automated antivirus deployment, OS patching, and access control auditing	
• Validated disaster recovery protocols achieving 100% restore success across backup configurations	

Technical Skills

Programming Languages: TypeScript, JavaScript (ES6+), Python, Java, C++, F#, SQL
Frameworks & Libraries: Next.js (React), React Native, Django, Spring Boot, JavaFX, Tailwind CSS
APIs & Tools: OpenAI, Google Gemini, Stripe, Redis, Google Maps, Git, GitHub, Docker, Vercel, Vite
Databases: PostgreSQL, Firebase (Firestore), Azure SQL, MongoDB