Stephen Sookra

stephensookra@gmail.com | (516)-469-0248 | [LinkedIn: Stephen Sookra]

EDUCATION

Kennesaw State University Kennesaw, Georgia
Bachelor of Science (B.S.) in Computer Science, Concentration in AI and Machine LearningExpected Graduation, May 2028

- GPA: 3.8/4.00

TECHNICAL SKILLS

Languages/Frameworks: Python, Java, JavaScript, TypeScript, SQL, C++, Swift, React, React Native, TensorFlow, FastAPI, OpenCV, spaCy, Prodigy, Ruby, Spark, Semantic Kernel

Developer Tools: Firebase, Supabase, Expo, Google Colab, Jupyter, Figma, Git, GitHub, GitLab, Microsoft Office Suite, Google Workspace

EXPERIENCE

StarbucksAtlanta, Georgia
BaristaSeptember 2023 – Present

- Deliver excellent customer service in a fast-paced team environment while maintaining quality standards
- Collaborate with team members to ensure smooth operations and efficient workflow during peak hours

PROJECTS

StepSafe — AI-Powered Diabetic Foot Ulcer Detection | TensorFlow, MobileNetV2, FastAPI, React, ViteMarch 2026

- Built an AI-powered web application that classifies diabetic foot ulcers (infection, ischemia, gangrene, normal tissue) from uploaded images, providing instant severity scores and recommended clinical actions
- Trained a TensorFlow/MobileNetV2 classification model on ~20,000 professionally annotated medical images from the DFUC 2020/2021 datasets, achieving objective wound assessment where clinicians misclassify 30–40% of the time
- Engineered end-to-end architecture with a FastAPI backend for image preprocessing and model inference, and a React/Vite frontend with clinical report generation and EHR-compatible documentation export
- Won 1st Place Overall at the HMI Hackathon 2026 at Kennesaw State University, competing in the Open Innovation track

Hexbear — Gamified Climate-Action App | React Native, TypeScript, Supabase, Google Cloud Vision APIFebruary 2026

- Built a cross-platform mobile app with React Native and Expo that gamifies sustainability by turning recycling, energy conservation, and food donation into wizard-themed quests with GHG point tracking
- Integrated Google Cloud Vision API with a custom multi-signal scoring algorithm for AI-powered recyclability detection and recycling bin proof verification via label weighting, OCR, and logo recognition
- Engineered full-stack architecture with Supabase Auth, PostgreSQL database with Row Level Security, and cloud storage for image uploads, supporting real-time leaderboards and user progression

EchoPay — Voice-Native Stablecoin Payments | JavaScript, Python, Blockchain, AI/MLJanuary 2025

- Built a blockchain-based payment system enabling low-literacy users to transact via voice commands, improving financial accessibility
- Implemented onchain identity verification with voiceprint security and deepfake detection algorithms to ensure transaction safety
- Placed 3rd overall at the 2025 Georgia FinTech Academy Hackathon, competing against 50+ teams

NeoGuide — AI-Guided Neonatal Intubation System | React, Vite, Google Gemini Vision API, ElevenLabs TTS, Raspberry PiFebruary 2026

- Built a smart sensor-guided neonatal intubation system using Google Gemini Vision API for real-time webcam analysis and ElevenLabs Text-to-Speech for clinical voice guidance during procedures
- Developed a React/Vite frontend with a real-time video pipeline and clinical dashboard, integrating Raspberry Pi edge computing for portable bedside deployment
- Built at Hacklytics 2026 (Georgia Tech), addressing neonatal intubation errors that affect over 50% of first attempts in NICUs

CERTIFICATIONS

AT&T 2025 Technology Academy — Issued by AT&T College Recruiting

- Completed foundational training in network troubleshooting, 5G technology strategy, and cloud computing fundamentals

AWARDS/ACHIEVEMENTS

5× Hackathon Competitor: 1st Place Overall — HMI Hackathon 2026, 3rd Place Overall — KSU FinTech Hackathon 2025, 3rd Place Healthcare Track — Emory Hacks 2025, Hacklytics 2026 (Georgia Tech), UGAHacks 11 2026