

# Shrivathsan Sakthisundaram

Morris Plains, NJ | ss1738@duke.edu | linkedin.com/in/shrivathsan-sakthisundaram | github.com/Shrivathsan07

## EDUCATION

### Duke University

Expected May 2029

*B.S.E. Electrical & Computer Engineering, GPA 3.8/4.0*

*Durham, NC*

- Coursework: Computer Architecture (C, MIPS), Data Structures & Algorithms, Analog Circuits, Linear Algebra

## EXPERIENCE

### Software Engineer Intern

Aug. 2026 – Present

*Beacon Health (YC W26) | AI agents for primary-care admin work inside the EHR*

*Remote*

- Shipped 5 AI agents on live clinic data across 3 EHRs (athenaOne, PointClickCare, Elation) for my 2 clinic accounts: 50+ patient checkouts with chart transfers, and a fax agent now in production twice daily, 7 days a week
- Got a fax-filing agent to file 200+ faxes into the correct charts in its first 2 weeks by rebuilding it from screen-clicking computer use into code-based tools with guardrails that match patients, block duplicates, and refuse to guess
- Expanded it to nearly every fax type the clinic receives by mapping what staff still filed by hand from 2,514 audit-log rows into an approved coverage proposal
- Cut its estimated cost per fax about 80% in that rebuild by moving off a computer-use runner to Stagehand
- Raised a 6-stage checkout agent from 33% success over its first 131 live runs to 100% of live-session runs by auditing 80+ failed runs against system logs and adding a fix for each failure type

### Engineer Intern, GTM

May 2026 – Jul. 2026

*Channel3 (YC S25) | Product-data API for AI shopping agents*

*New York, NY*

- Cut crawl payload 98% and mean response time 83% under 5% more traffic by rebuilding the back-end response path, one of 20+ merged PRs (TypeScript on Cloudflare Workers, Python/FastAPI)
- Exposed a core growth metric inflated 4,000x by 1.79M bot records and produced the company's first real funnel (1,394 signups, 124 verified) by rebuilding signup tracking across the site and docs

### Co-Founder & Engineer

Apr. 2026 – Aug. 2026

*Anchor | AI catalog and lookbook software for fine-jewelry brands*

*Remote*

- Closed Anchor's first paying client at \$2,500, 2.5x their budget cap, by leading on-site discovery and building the product solo: a Python pipeline that turns thousands of emailed SKUs and images into branded PDF lookbooks

### Founding Engineer

Nov. 2025 – Apr. 2026

*AphasiaGPT | Clinical documentation software for speech-language pathologists*

*Durham, NC*

- Got 20+ therapists to adopt an AI note assistant that cites its sources by building its RAG pipeline on PostgreSQL
- Traced a primary-key mismatch that emptied every note lookup; fixed 14 call sites in 8 tables and 6 drifted columns

## PROJECTS

### Neonatal Temperature Monitor | C, Arduino, I2C, embedded hardware

Aug. 2025 – Dec. 2025

- Built a NICU temperature monitor for Ugandan hospitals, accurate to 0.5 °C, by engineering the circuit and core firmware, including I2C re-addressing so 3 fixed-address sensors share one bus

### Autonomous Line-Following Robot | Arduino C++, RFID, XBee, serial I/O

Jan. 2026 – Apr. 2026

- Ranked 1st in class for accuracy with my team's robot that line-follows, reads RFID tags, and radios scores via XBee; fixed scores overwriting by draining stale RFID bytes from the serial buffer

## LEADERSHIP

### Finance Chair, Rhydhun

May 2026 – Present

*Duke competitive Bollywood fusion dance team*

- Secured 100% of a \$4,000 funding request with a line-item budget Duke's student funding committee called its best
- Raised \$1,000+ more by leading fundraisers with student government and residence halls; allocate the team's budget

## SKILLS

**Languages:** Python, TypeScript/JavaScript, Java, C, C++, SQL

**Frameworks & Cloud:** React, Next.js, FastAPI, Node.js, PostgreSQL, Supabase, AWS Athena, Cloudflare Workers

**AI:** Agents (tool calling, computer use, guardrails, evals), RAG with embeddings, MCP, Stagehand, Claude API

**Systems & Tools:** Linux/Unix, Git, gdb, valgrind, Arduino, I2C