Sri Harisuhas Thavittupalayam Manivannan

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EDUCATION

Georgia Institute of Technology — Atlanta, GA
M.S. in Computer Science — *2025 - Present*

Georgia State University — Dual Degree GPA: 3.95 — Atlanta, GA
***B.S. in Computer Science**, Certificate in Data Science* — *2025*
- President's List: Fall 2022, Spring 2023, Fall 2023
- Dean's List: Spring 2024, Summer 2024, Spring 2025

***B.B.A. in Computer Information Systems**, Minor in Math* — *2024 - Present*

TECHNICAL SKILLS

Languages: Python, Java, JavaScript/TypeScript, SQL, C
AI/ML: PyTorch, Scikit-Learn, EfficientNet, OpenCV, Pandas, NumPy
Frontend: React, React Native, Tailwind CSS
Backend/Databases: Node.js, FastAPI, Spring, PostgreSQL, Firestore
Cloud/Tools: AWS (S3, EC2, Lambda), Docker, GitHub Actions, Liquibase, Postman
Systems: Concurrency, REST APIs, CI/CD

EXPERIENCE

NetTracer by Reunitus — May 2025 – Aug 2025
Software Engineering Intern — *React, Java, Angular, SQL*
- Migrated **12+ Angular components** to **React** and maintained features across both systems, modernizing UI and reducing tech debt.
- Developed backend **Java** logic for FedEx workflows, integrated the **Trade Document API** with local fallback, and managed **SQL migrations** using **Liquibase**.
- Collaborated in **Agile Scrum** with Git, Jira, and Microsoft Teams to deliver cross-functional features.

PROJECTS

Cervico — AI Cervical Health Platform (In Progress) — Jan 2025 – Present
- Built **AI dilation estimator** using **PyTorch + EfficientNet** for ultrasound analysis.
- Implemented synthetic data generation and preprocessing with **OpenCV + albumentations**.
- Created **React + Tailwind** frontend for pregnancy insights and dilation tracking.

NeuroSpeak — AI Speech Therapy Platform (Hackathon Winner) — Mar 2025
- Developed **real-time AI speech assistant** using **FastAPI + Google Generative AI**.
- Built interactive **React Native** frontend for user practice and feedback.
- Won **1st place at Emory Hackathon 2025** among 50+ teams for healthcare innovation.

Anima — AI Museum Storytelling Platform — Sep 2025
- Built **React + Tailwind** frontend and **FastAPI** backend with **Wav2Lip**, **FOMM**, **TTS-1**, and **OpenAI**.
- Deployed with **AWS S3** for storage; delivered prototype ahead of schedule.
- Planned features: **real-time animation**, **multilingual support**, and **educational integration**.

LoveLink '89 — AI Couples App — Jan 2025
- Developed retro-themed app with **AI date ideas**, gift suggestions, and shared memory tracking.
- Built frontend using **React + Tailwind**; integrated **Google Places**, **Ticketmaster**, and **Gemini AI**.
- Added features like **MoodBoard**, daily prompts, shared calendar, and surprise generator.

LEADERSHIP AND COMMUNITY INVOLVEMENT

Hindu Yuva at GSU — Atlanta, GA
President (Apr 2024 – Present) — Creative Design Lead (Aug 2023 – Apr 2024)
- Increased event attendance by **300%**, growing from 80 to 250+ participants.
- Managed **$10K+ budgets**, overseeing 10+ cultural and service events.
- Led **15+ team members**, mentoring officers and streamlining collaboration.