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, Kotlin, HTML/CSS
Web & App Dev: React, React Native, Tailwind CSS, Node.js, FastAPI, Zustand, Google Firestore
Backend & Tools: Java (Spring), SQL, Liquibase, Docker, Postman, GitHub, VS Code, Jest
AI/ML & Data: PyTorch, EfficientNet, OpenCV, Gemini AI, Pandas, NumPy, Scikit-Learn
Systems/Concepts: Multi-threading, ExecutorService, ConcurrentHashMap, REST APIs, Google CalDAV API

EXPERIENCE

NetTracer by Reunitus — Summer 2025
Software Engineering Intern — *React, Java, Angular, SQL*
- Contributed to migration from Angular to React, enhancing maintainability and modernizing the UI.
- Maintained and built features on both the legacy Angular frontend and the new React system.
- Developed backend logic in Java for FedEx international shipping workflows and compliance rules.
- Integrated FedEx Trade Document API and built fallback local document generation for unsupported regions.
- Managed SQL schema migrations and versioning using Liquibase for safe and consistent deployments.
- Collaborated across Agile Scrum teams with Git, Jira, and Microsoft Teams to plan and ship features.

PROJECTS

Cervico — AI-Powered Cervical Health Platform (In Progress)
- Developed an AI dilation estimator using PyTorch and EfficientNet for ultrasound analysis.
- Engineered synthetic data generation and image preprocessing with OpenCV and albumentations.
- Built an intuitive React.js & Tailwind CSS frontend for dilation tracking and pregnancy insights.

NeuroSpeak — Hackathon Winning AI Speech Therapy Platform
- Developed a real-time AI speech assistant that assists individuals with speech disorders.
- Built an interactive React Native frontend for seamless user interaction.
- Leveraged FastAPI and Google Generative AI for natural language processing and feedback.
- Won 1st place at the **Emory Hackathon 2025** for innovation in healthcare.

Tiny Tasks — ADHD-Friendly Productivity App
- Designed a productivity app to help ADHD users manage schedules with clarity and structure.
- Built cross-platform frontend in React Native; backend with FastAPI and Firestore.
- Integrated Google CalDAV API for real-time calendar sync; planned Apple/Outlook integration.

LoveLink '89 — AI-Powered Couples App
- Developed a retro-themed app to support couples with AI-powered date ideas, gift suggestions, and memory tracking.
- Built frontend using React.js and Tailwind CSS; integrated Google Places, Ticketmaster, and Gemini AI.
- Focused on emotional intelligence features: 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 through outreach.
- Managed $10K+ in budgets, overseeing 10+ major events and streamlining resources.
- Led 15+ team members, fostering engagement and leadership development.