Avi Kumarr

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EDUCATION

Georgia State University   Aug 2022 - Dec 2025

Major: BSc **Computer Science**, GPA - 3.94 | Minor in Entrepreneurship | Honors Program

Relevant Coursework: ML/AI, Data Structures, Algorithms, Operating Systems, Software Development

SKILLS

Programming Languages and Frameworks: Python | JavaScript | React | SQL | Node.js | Matlab | Tailwind

Soft Skills: Communication & Interpersonal Skills | Figma & Canva Illustrations and Designs | Leadership | Networking

TECHNICAL EXPERIENCE

Full Stack App Developer | Interval   Mar 2024 - Present

- Awarded funding by Russel Innovation Center for Entrepreneurs.
- Successful testing of women's health tracker application on 100+ users.
- Leading app development: React-based, PHP and SQL with React Native wrapper.

Research Assistant | TrendsCenterLab   Sept 2023 - Jan 2024

- Led a research analyzing the fMRI brain scans from 126 patients to explore variations in autism-related brain development during infancy.
- Utilized **MATLAB** and image analysis tools for image and data processing and interpretation.
- Led research on **brain laterality** changes in infancy, developing visual tools for complex pattern representation and analysis, enhancing understanding of functional brain asymmetry in the neonatal growth period.
- Presented research findings at prestigious events like the **GSU Research Conference 2024**, contributing to collaborative efforts through detailed reports in professional gatherings.

TECHNICAL PROJECTS

Kapstone | React, Framer, Flask, Python, BigQuery, Google Cloud Tools

- Demoed at Georgia State University and received an LOI from the computer science department, Georgia State University for testing the product in the university system.
- Got accepted into the ATDC incubator and **Startup Exchange fellowship @ Georgia Tech**.
- Created and deployed a full-stack Sass solution featuring a marketplace, project management system and much more.

HealthSync | Python, React JS, OpenAI, MongoDB |2024

- Winner of the **Best Healthcare Hack @ Hackalytics 2024, Georgia Tech** out of **200+ projects**.
- Developed a platform for Doctors to create custom Chatbots for **automated** data extraction & analysis.
- Created a database for data storage and extraction; backend for logic processing; pipeline for connectivity; scheduler for automation.
- Trained custom chatbots which work on dynamic data and extract data used for analysis and graph plotting.

BullRunAI | RAG-enhanced LLM, PineCone-VectorDB, React, Python, Google Cloud | 2025

- Winner of the **Best Generative AI Hack @ Hackalytics 2025, Georgia Tech** out of 250+ projects and 1200+ participants.
- Developed a powerful crypto-analytics tool **powered by RAG-based LLM** designed to help investors pick perfect stocks for their personalized portfolios.
- Created AI agents, Rag-powered LLM models, and vectorized database.

AWARDS

- Best **Healthcare Hack Award** in **Hacklytics24, GeorgiaTech**.   Feb, 2024
- Finalist at **HackAtl 2023**, Emory.   Oct, 2023