

Arav Arora

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EDUCATION

Georgia Institute of Technology

Bachelors of Science in Computer Science

GPA: 4.0

Atlanta, GA

Aug 2023 – May 2027

Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Discrete Mathematics, Computer Organization and Programming, Objects and Design, Computer System and Networks

EXPERIENCE

Amazon

Software Development Engineering Intern

Seattle, WA

Sep 2025 – Nov 2025

- Leveraged **AWS CDK** and canary tests to automate **stress testing** of team's pipelines, enhancing monitoring coverage before critical Peak season.
- Created an automated onboarding workflow using internal Amazon QuickSuite tooling to provision **DynamoDB** tables for new Amazon warehouse locations, replacing a manual process and saving **10+ hours** of manual developer effort.
- Built a proof-of-concept for a delayed shift planning tool, helping warehouse managers visualize late inbound volume.

HubSpot

Software Engineering Intern

Boston, MA

May 2025 – Aug 2025

- Worked on **Ads Activation Paths**, an in-app guidance system that surfaces context-aware tips to Marketing Hub customers, boosting ad campaign activation by **40%** in internal testing, rolled out to over **800K customers**
- Developed a Spring Boot microservice with Spring Data JPA and Redis caching for banners, achieving an **85%** cache hit rate
- Collaborated with Ads/product teams to integrate **Google Performance Max (PMax)** campaign creation into HubSpot's ads tool, wiring new React/TypeScript flows to backend APIs

PersonifyAI

Software Engineering Intern

Atlanta, GA

Jun 2024 – Aug 2024

- Developed and deployed RESTful APIs in Node.js to handle dynamic user data, improving **database query efficiency by 30%**.
- Created a fully responsive user dashboard(Next.js, Tailwind CSS + Pinecone), enhancing user experience and contributing to a **40% increase** in mobile traffic and improvement in search accuracy.

Littleton Youth Soccer Club

Software Engineer

Littleton, MA

May 2023 – May 2025

- Co-designed and developed a **full-stack web application** for LYSC soccer evaluators to administer tryouts, automating team generation for over **400 players** and saving **40 hours** of manual work.
- Reported a **92% satisfaction rate** from coaches, up from 78% under the prior paper-based system.

RESEARCH

TEACHABLE AI Lab

Research Intern (ALOE-AI Initiative)

Georgia Institute of Technology, Atlanta, GA

Aug 2024 – Present

- Collaborating with PhD student **Jenn Redding** on the **Apprentice Tutors platform**, developing a web application for the Technical College System of Georgia (TCSG) to support **250** nurses in training.
- Co-author**, "Generating In-Context, Personalized Feedback for Intelligent Tutors with LLMs." Accepted to *IJAIED*, 2025.

PROJECTS

FanPlay — Frontend Developer

Aug 2024 – Present

- Developed the frontend of FanPlay, a **React Native app** projected to be used by **5,000** fans at Georgia Tech football games.
- Co-led the implementation of the **MVP voting feature** in FanPlay, enabling fans to cast votes and view real-time results.

TheRolePlayer.co, Co-Founder | MERN Stack

May 2024 – Aug 2025

- Built a sports blog aimed at **bridging the realms of finance and sports analytics**.
- Developed **RESTful API** endpoints using Node.js/Express to facilitate communication between the frontend and the article database (MongoDB).

TECHNICAL KNOWLEDGE

Languages/Frameworks/Libraries: Java, Python, SQL, C++, C JavaScript, TypeScript, NoSQL, Node.js, Angular, React, Next.js, Vite, Redux, Express, JUnit, Go, Swift, Spring

Developer Tools: Git, AWS, Postman, Google Cloud Platform, Google Apps Script, VS Code, Eclipse, IntelliJ

Extracurriculars: GT Football Video Operations Staff, GT Data Science Club, GOALS Soccer (Best Buddies Program)