

# Aadarsh Battula

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## Education

### Georgia Institute of Technology

Bachelor of Science in Computer Science

Atlanta, Georgia

August 2023 – May 2027

- Concentrations: Artificial Intelligence and Information Internetworks | GPA: 3.77/4.0
- Coursework: Objects and Design, Data Structures and Algorithms (DSA), Object-Oriented Programming with Java, Robotics: AI Techniques, Database Systems, Machine Learning, Computer Networking, Intro to Artificial Intelligence
- Clubs/Programs: WebDev Club (Project Manager), Barcelona Study Abroad (Summer 2024), SIG First Year Discovery Day, Microsoft SWE Shadowship Program

## Experience

### Full Stack Software Engineer Intern

Cisco Meraki

May 2025 – Present

San Francisco, California

- Integrating client topology data into the Cisco Networking AI Assistant using Python and TypeScript for 800,000+ users.
- Built LangChain AI tools utilizing internal REST APIs allowing generation of contextual responses for client topology questions.
- Built custom UI components the AI Assistant can use to format responses regarding client topology in a dynamic manner.

### Senior Teaching Assistant

Georgia Tech College of Computing

August 2024 – April 2025

Atlanta, Georgia

- Teaching 300+ students and working with 10+ TAs for CS 1331: Object-Oriented Programming w/ Java under Dr. Omojokun.
- Leading weekly recitations and office hours on OOP Principles, Data Structures, Recursion, GUIs, Interfaces, etc.

### Engineering Manager

GT WebDev Club

January 2024 – Present

Atlanta, Georgia

- Directed full-stack web projects with 10 developers each semester, promoting agile software development practices.
- Built a Lost & Found System for GT Students (Spring 2025) and a dorm roommate matching system (Fall 2024).

### Full Stack Software Engineer Intern

Georgia Tech Research Institute (GTRI)

January 2024 – May 2024

Atlanta, Georgia

- Developed secure file-sharing web application for the military under a multi-million dollar DoD contract for over 10,000 users.
- Utilized HTML, CSS, Angular (TypeScript) to create engaging frontend components enhancing user experience.
- Implemented backend functionalities using Java for data processing and retrieval from OracleSQL database.
- Added 25+ Java and TypeScript unit tests, spearheaded AngularJS-to-Angular 6 migration, implemented sorting feature for audited messages.

## Projects

### Profound.ai @ HackGT | ReactJS, TailwindCSS, Flask, MongoDB, LangChain, OpenAI API

September 2024

- Developed a RAG-powered lecturer agent that presents lecture slides and provides real-time Q&A.
- Extracted text from course files using Canvas API; stored each document as a vector embedding in MongoDB.
- Provided context from embeddings when generating audio transcripts and answering questions via LangChain.

### GT StudyHive @ WebDev Club | MongoDB, ExpressJS, ReactJS, NodeJS, Postman

January 2024 – May 2024

- Built a MERN application enabling Georgia Tech students to start or join existing study sessions on campus.
- Integrated Google Maps API, added user authentication, and implemented session creation features.

### 2D Dungeon Crawler Game @ CS 2340 | Java, Android Studio

August 2023 - December 2023

- Developed a Dungeon Crawler Android application using MVVM software architecture in an agile environment.
- Applied OOD and OOA by designing UML diagrams to organize game objects (Item, Player, Enemy classes).

## Technical Skills

**Languages:** Java, Python, JavaScript, TypeScript, HTML/CSS, SQL

**Frameworks/Databases:** React, Angular, NodeJS, MySQL, MongoDB, Tailwind CSS, Flask

**Technologies/Tools:** Docker, Scikit-Learn, Jupyter Notebook, Pandas, NumPy, TensorFlow, Android Studio, Postman API, Jira, Git, GitLab, GitHub, VS Code, IntelliJ, REST API, CI/CD, SDLC, TDD

**Certifications:** AWS Certified Cloud Practitioner (CCP), MTA Software Development Fundamentals