Aadarsh Battula

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Education

Georgia Institute of Technology — Atlanta, Georgia
Bachelor of Science in Computer Science — *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 Artifical Intelligence
- Clubs/Programs: WebDev Club (Project Manager), Barcelona Study Abroad (Summer 2024), SIG First Year Discovery Day, Microsoft SWE Shadowship Program
- Interests: Weightlifting (3+ years), Pickleball (Intramural Team), Running (SF Half Marathon), Thriller Movies, Thrifting

Experience

Full Stack Software Engineer Intern — May 2025 – Present
Cisco Meraki — *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 — August 2024 – April 2025
Georgia Tech College of Computing — *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 — January 2024 – Present
GT WebDev Club — *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 — January 2024 – May 2024
Georgia Tech Research Institute (GTRI) — *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