

# Sashank Batchu

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## EDUCATION

### Georgia Institute of Technology

Atlanta, GA

*Bachelor of Science in Computer Science, GPA: 4.0/4.0*

*May 2027*

- **Relevant Coursework:** Data Structures & Algorithms (Java), Object-Oriented Programming (Java), Algorithms Honors, Objects & Design, Computer Systems & Networks, Linear Algebra, Machine Learning, Artificial Intelligence

## TECHNICAL SKILLS

**Languages:** Python, Java, Javascript, SQL, PHP, C/C++, C#

**Frameworks/Libraries/Tools:** React.js, Express.js, Node.js, Next.js, React-Native, AWS, RESTful APIs, MySQL, Firebase, Supabase, GCP, RabbitMQ, GraphQL, Pytorch, Docker, Langchain, Jest, MongoDB, Playwright

## EXPERIENCE

### Software Engineer Intern

May 2025 – August 2025

*Meta*

*Menlo Park, CA*

- Spearheaded development of an education screen in the Facebook Page to WhatsApp linking flow, seen by 500M+ annually, to encourage WA Business conversion prior to linking; projected to save **\$300M/year** in ads revenue.
- Implemented backend improvements by creating GraphQL APIs that executes business linking rather than deprecated phone linking of FB-WA linking for over **100M** pages, increasing linking success from 62% to 80%.

### AI/ML Intern, Technical Advisor

May 2024 – December 2024

*AquilaTest*

*San Jose, CA*

- *PDF Query Tool:* Accelerated test automation speed by **99%** by architecting an AI agent flow using Autogen and PostgreSQL to query PDFs and employing a Kafka architecture to handle **10k+** requests per/min.
- *Test Flow Segregation:* Streamlined client onboarding from months to minutes by fine-tuning Llama 3 LLM with QLoRA and instituting a RAG-LLM-based microservice with a Flask API to automate QA test flow segregation.
- *Customer-Service RAG Chatbot:* Minimized client inquiry response time by **99%** by developing chatbot with Langchain and establishing a Cron job with AWS Lambda to retrieve up-to-date info from docs in AWS S3.

### Undergraduate Teaching Assistant

January 2025 – Present

*College of Computing @ Georgia Tech*

*Atlanta, GA*

- Supported lectures for 500+ students through lab instruction, hosting weekly office hours, designing projects / assignments on parallel systems, multithreading, networking, memory management, processor scheduling, caching.
- Developed a RAG-based autograder integrating rubric-driven scoring, and confidence calibration; automated data ingestion with Playwright and LLM models via OpenRouter, cutting grading effort by **100+ hours/week**.

### Executive Officer, Software Engineer

August 2023 – May 2025

*Georgia Tech Fintech*

*Atlanta, GA*

- *Card Concierge:* Increased cash back by **2.5-10%** by leveraging a Scrum-based Agile development process to build a React website with SSO/OAuth for user onboarding and a Chrome extension that suggests cards when shopping.
- *Checkout Free:* Enhanced grocery item object identification accuracy by **75%** and made grocery checkout on phones feasible by creating a BeautifulSoup web-scraping tool to collect data and training a CV model with TensorFlow.

### Software Development Researcher

August 2023 – May 2024

*Contextual Computing Group @ Georgia Tech*

*Atlanta, GA*

- Increased engagement rates by **35%** and user acquisition by **20%** by collaborating with Google and NTID to redesign/devise levels for Popsign AI, a Unity and C# mobile app for ASL learning featured on Google I/O '23.
- Improved sign-detection accuracy by **10%** by annotating **2.5k+** signs to train robust computer vision pipeline.

## PROJECTS

### Weave | React Native, Node.js, Supabase, Cohere, Algolia, ChatGPT, Twilio, Redux

February 2024 – Present

- Made screenshots actionable with relevant links and searchable for **1,000+** users by spearheading development of a mobile iOS app and implementing Cohere embeddings for **90%** accurate semantic screenshot search.
- Enabled low-latency (**<50ms**) sharing of curated mood boards between users with Redux state management.

### Menu Minded | React Native, Figma, Google Cloud Platform (GCP), MongoDB

January 2024 – February 2024

- Designed UI/UX in Figma for a mobile application, integrating Google Vertex AI to analyze menus and tailoring dish recommendations to user health goals/restrictions with a weighted-sort algorithm, attaining **100+** users.