

Akash Patel

US Citizen | akipatel1781@gmail.com | (706)-313-5870 | LinkedIn: akashpatel99 | GitHub: Aki1781

EDUCATION

Georgia Institute of Technology

Atlanta, Georgia

B.S. in Computer Science

May 2027

- **GPA:** 3.7/4.0
- **Related Coursework:** Data Structures, Algorithms, Computer Organization, Computer Networks, Object-Oriented Programming, Database Systems, Artificial Intelligence, Machine Learning, Linear Algebra, Statistics & Probability

EXPERIENCE

Amazon

Seattle, Washington

Software Development Engineer Intern

May 2025 - Aug 2025

- Designed a Python tool using MCP and Amazon Bedrock (Claude) to automate deployment of services to AWS regions
- Automated manual deployment steps with dynamic code, saving 5+ days per service across 30+ services using GenAI
- Generated consistent region setup code with AI, cutting errors and manual fixes by over 90% for over 50+ packages
- Rolled out AI automation to 15+ services, speeding service deployments by 25% per service and saving 75+ dev days

TikTok

San Jose, California

Software Engineer Intern

Jan 2025 - April 2025

- Delivered multilingual backend support with Java cutting response time by 15% via caching & regional balancing
- Coded microservices in Go and Java for metadata and access control, cutting API response times by a combined 20%
- Created JWT-secured APIs with role-based access control and refresh token handling, reducing vulnerabilities by 40%
- Architected a pre-prod testing system (Node.js, React, Express) boosting dev efficiency by 20%, setup time by 30%

Amazon

Seattle, Washington

Software Development Engineer Intern

May 2024 - Aug 2024

- Engineered internal billing management tool using Java, React, and TypeScript for top 25 clients speeding edits by 50%
- Integrated backend services with AWS services for real-time contract sync, cutting latency from 9 days to milliseconds
- Streamlined backend contract testing workflows using Java, Docker, and DynamoDB reducing testing time by 60%
- Automated contract pipeline tests, cutting manual effort from 110 to 44 days and boosting productivity by 35%

Research Innovations Inc.

Alexandria, Virginia

Software Engineer

May 2023 – Jan 2024

- Reduced test runtime by 40% across 3 full-stack apps by automating 400+ test cases using CypressJS, Java, and Python
- Expanded mission map visuals by 15% with richer status data using automated testing and large-scale test cases
- Managed 500+ test cases, boosting client satisfaction by 50%, and automated 400+, cutting manual tests by 15%
- Resulted in a 40% reduction in test runtime across 3 full-stack applications, leading to a 20% increase in test coverage

PROJECTS

Tunes Wrapped

Atlanta, Georgia

Team Lead

April 2024 – June 2024

- Led a team of 6 to develop a Spotify Wrapped Android app with Java and Firebase with personalized music summaries
- Integrated OpenAI API to generate insights, achieving 95%+ satisfaction among early users and boosting engagement

r/GTPlace Mural

Atlanta, Georgia

Lead Developer

Jan 2024 – June 2024

- Led a team of 5 developers to build Georgia Tech's pixel art web app using MongoDB, Express, React.js, and Node.js
- Built a collaborative platform for students to design digital murals, aligning features through 5 client feedback sessions
- Engaged 20+ students in testing and iterated on UI/UX to enhance usability and product fit

VOLUNTEER EXPERIENCE

BAPS Charities

Chattanooga, Tennessee

Volunteer Software Developer

April 2022 – Present

- Assembled full-stack event management apps using React, TypeScript, and PostgreSQL for 150–500 person events, including basketball tournaments and health fairs

SKILLS

Languages & Frameworks: Java, Python, JavaScript, Go, Kotlin, React, Node.js, Express, Spring, C, C++

Cloud/Databases: AWS, Docker, Git, JUnit, Cypress, MongoDB, MySQL, DynamoDB, PostgreSQL