

Akash Jain

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EDUCATION

Georgia Institute of Technology | *Bachelor of Science, Computer Science* (GPA: 3.6)

Atlanta, GA May 2027

PROFESSIONAL SUMMARY

Computer Science student at Georgia Tech with over a year of software engineering experience specializing in front-end interface design, prototyping, and real-time system integration. Skilled in React, Angular, C/C++, and AWS services, with a portfolio of end-to-end delivered features that modernized web systems and enhanced performance. Proven collaborator across disciplines, optimizing user experiences through iterative design and performance tuning, seeking to apply interface development expertise to brain-computer interaction projects.

EXPERIENCE

SpaceX (Incoming Summer 2026)

Software Engineering Intern

Hawthorne, CA

Georgia Institute of Technology – Office of Information Technology (OIT)

Sep 2025 - Present

Frontend Engineer

Atlanta, GA

- Developed and prototyped responsive React components to replace legacy CMS templates, modernizing internal web systems and delivering a more mobile-friendly user experience.

State Farm

May 2025 - Aug 2025

Software Engineer Intern

Bloomington, IL

- Applied design engineering principles to rebuild State Farm's customer-facing chat widget in Angular using the company's new design system, extending functionality by integrating AWS Lambda backend services to enable real-time messaging.
- Engineered a fault-tolerant Amazon Connect wrapper with persistent WebSockets, delivery confirmation, transcript logging, and CDN/local fallback, ensuring 99.98% uptime and zero message loss across 2M+ monthly chats.
- Migrated customer-facing services from Node.js/AWS Lambda to containerized Java Spring Boot microservices on OpenShift, integrated Azure Entra ID OAuth2 and CI/CD pipelines, which improved deployment scalability and reduced release time
- Architected secure service-to-service authentication with Azure Entra ID token issuance, caching, and refresh, while implementing Kubernetes (MERNA) secret management for enterprise-grade credential security.

Tours Limited

May 2024 - Aug 2024

Software Engineer Intern

Duluth, GA

- Engineered and launched a modern, responsive company website using React, designing reusable UI components and improving page load speed by 40% through code-splitting and performance optimizations.
- Integrated AWS CloudFront and S3 for global content delivery, enabling 99.9% uptime during peak traffic and implementing CloudWatch monitoring to proactively detect and resolve issues.

PROJECTS

PropSage

Sep 2025 - Present

- Recognition: Selected as a Top 3 project using the TwelveLabs API at HackGT 12 (Sep 2025).
- Built a full-stack sports prop analytics platform that ingests live odds and player stats, computes fair lines & confidence scores, and surfaces actionable edges in real time.
- Integrated TwelveLabs video search to auto-pull relevant play clips; added WebSocket live updates and Redis caching to keep dashboards and alerts in sync with line movement.
- Shipped a production deployment on Vercel (edge/serverless) with Prisma ORM and Postgres/Turso; added robust observability and feature-flagged experiments for rapid iteration.

Electronic ARTrium

Aug 2024 - Present

- Employed Mediapipe, OpenCV, NumPy, and DepthAI with USB and depth cameras for real-time 3D pose detection, enabling the exhibit to dynamically respond to participants' presence and movement.
- Developed speech- and text-to-gesture control software using SpeechRecognition to animate both video and mechatronic characters, delivering a seamless interactive experience.
- Built an educational VR bomb-defusal game for K-12 students using Unity and Meta XR Toolkit; designed and animated 3D assets in Blender to teach logic, sequencing, and problem-solving

TECHNICAL SKILLS

- Programming Languages:** Java, Python, JavaScript/TypeScript, C, C++, Objective-C, SQL, MATLAB
- Frameworks & Libraries:** Angular, React, Node.js, Express, Spring Boot, Apple Frameworks - SwiftUI, Apple Frameworks - UIKit, Apple Frameworks - AppKit, Apple Frameworks - Metal, Three.js, Mediapipe
- Web & Graphics:** HTML/CSS, WebGPU
- Cloud & DevOps:** AWS, Azure, GCP, Docker, Kubernetes, Vercel, Git
- Databases:** PostgreSQL, MongoDB
- 3D & Simulation:** Unity, Blender
- Design & Prototyping:** Design Engineering, Prototyping