Akash Jain

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
Bachelor of Science in Computer Science   *Graduation Date: May 2027*
GPA: 3.5

EXPERIENCE

Georgia Institute of Technology – Office of Information Technology (OIT)   Sep 2025 - Present
Student Assistant – Web Developer (Incoming)   *Atlanta, GA*

State Farm   May 2025 – Aug 2025
Software Engineer Intern   *Bloomington, IL*
- Rebuilt State Farm's customer-facing chat widget in Angular using the company's new design system, extended functionality by integrating with AWS Lambda backend services to enable real-time message send/receive.
- Built a fault-tolerant Amazon Connect wrapper with persistent WebSockets, delivery confirmation, transcript logging, and CDN/local fallback, ensuring 99.98% uptime with zero message loss across 2M+ monthly chats.
- Migrated customer-facing services from Node.js/AWS Lambda to containerized Java Spring Boot microservices on OpenShift, integrating Azure Entra ID OAuth2 and CI/CD pipelines for scalable, maintainable deployments.
- 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
UX/UI 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 implemented CloudWatch monitoring to proactively detect and resolve issues.
- Collaborated with cross-functional teams to refine user journeys and implement A/B tested features, increasing average session duration and driving higher customer engagement.

PROJECTS

StockSense | *Next.js, TypeScript, Prisma, Turso (libSQL), MongoDB, Alpaca, Alpha Vantage*   Aug 2025 – Present
- Engineered a full-stack stock portfolio tracker with Next.js and TypeScript, integrating Prisma ORM with SQLite, Turso, and MongoDB to deliver secure and scalable data management.
- Enabled real-time market insights by streaming live data from Alpaca and retrieving historical pricing from Alpha Vantage, improving portfolio analysis speed and accuracy.
- Optimized deployment pipeline with Next.js and Vercel, achieving fast, reliable builds and a production-ready platform with minimal configuration overhead.

Electronic ARTrium | *Python, Unity, Blender*   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.

ADDITIONAL EXPERIENCE

Holt Consulting   Aug 2022 – Apr 2023
Plans Assistant   *Duluth, GA*

Patel Plastic Surgery   Jun 2021 – Aug 2021
Medical Intern   *East Cobb, GA*

TECHNICAL SKILLS

Java, Python, JavaScript/TypeScript, C, C++, SQL, HTML/CSS, MATLAB, Angular, React, Node.js, Express, Spring Boot, Mediapipe, AWS, Azure, GCP, Docker, Kubernetes, Git, PostgreSQL, MongoDB, Vercel, Unity, Blender