ROHAN GODHA
FULLSTACK ENGINEER

rohangodha.com
rgodha3@gatech.edu
github.com/rgodha24
instagram.com/aws_peter
linkedin.com/in/rohan-godha

EXPERIENCE

Rocketlab, Web Software Engineering Intern   *May 2025 – Present*
- Integrated realtime factory visualization with 'HotLots', delivering observability on critical production areas
- Optimized speed of semiconductor calibration through predictive modeling of positions and temperatures
- Reduced hotpath query latency from 10s to 20ms by optimizing PostgreSQL on Kubernetes infrastructure
- Developed terminal-based Jira interface, increasing ticket throughput and improving managerial visibility

Brainrot.mov, Founder   *Feb 2025 – Present*
- Developed distributed video generation platform using React, TypeScript and AWS Lambda, enabling users to create viral short-form content with AI Voices
- Proved product-market fit by growing my @aws_peter accounts to 70k+ followers and 4.7M+ views across Instagram, TikTok and YouTube, producing technical tutorials on Docker, AWS, MCP and AI Agents
- Launched SaaS product serving 1500+ creators who have generated 25M+ views and 200k+ followers, with the platform creating more than 16k AI Voice generations and $1k+ in revenue

Unstoppable Asset, Co-Founder   *Jul 2023 – Present*
- Spearheading product development for a mission driven fintech startup selected for Create-X S'25 Batch

NewGen Business Solutions, Intern   *May 2023 – Aug 2023*
- Wrote tests for NewGen's primary product, increasing confidence in rewrite from Create-React-App to Vite

EDUCATION

Georgia Institute of Technology, College of Computing   *Aug 2024 – May 2027*
Candidate: B.S. in Computer Science with concentrations in Devices and System Architecture
- **Courses**: Data Structures & Algorithms, Discrete Mathematics, Objects and Design, Computer Organization

ACTIVITIES

Georgia Tech Bits of Good, Engineering Manager   *Jan 2025 – Present*
- Implemented a new design system directly from Figma using React, Radix UI, TailwindCSS and Next.js
- Created an internal CLI tool based on shadcn/ui for easy access to design system for all Bits of Good projects

PROJECTS

Brophy Attendance   *rgodha.com/attendance*
- Built an attendance system in use at Brophy College Prep based on scanning barcodes on student ids
- Created and integrated a Raspberry Pi-based barcode scanner in Rust, an AWS Lambda & DynamoDB based backend in Typescript, and a realtime web dashboard in Typescript using technology like SST and React

AlphaSnake   *rgodha.com/alphasnake*
- Trained a custom neural network using a genetic algorithm across 96 parallel CPU cores on Google Cloud
- Optimized a game engine using techniques like increasing cache locality, bitmasks, and SIMD
- Achieved 5th place by ELO in the Georgia Tech Bytefight competition, sponsored by Google

EcoFlare   *rgodha.com/ecoflare*
- Created a frontend where users can upload drone images of forest canopies to be analyzed on AWS
- Deployed and trained a custom Tensorflow model to AWS ECS using Docker, Rust, and ONNX Runtime

SKILLS

- **Programming Languages**: Typescript, Rust, Go, Nix
- **Frameworks & Technologies**: React, Next.js, Svelte, Tailwind CSS, AWS, Infrastructure as Code, Docker