ROHAN GODHA
FULLSTACK ENGINEER

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Experience

Incoming Technical Marketing Intern, *Pump (YC S22)*   *Aug 2025 – Present*

Software Engineering Intern, *Rocketlab*   *May 2025 – Aug 2025*
- Replaced manual solar panel validation process with Python based simulation, achieving large speedup through 16-way parallel processing on Kubernetes with RabbitMQ/KEDA auto-scaling
- Improved loadtime of critical factory visualizations by 192x through optimizing PostgreSQL queries
- Unified priority lot tracking with factory visualization, improving visibility of high-value products
- Built terminal-based Jira interface, increasing ticket throughput and improving managerial visibility

Founder, *Brainrot.mov*   *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 account to 70k+ followers and 4.7M+ views across Instagram, TikTok and YouTube, producing technical tutorials on Docker, AWS, MCP and AI Agents
- Launched as SaaS product enabling 1500+ creators to generate 25M+ views and 200k+ followers, with thousands in revenue

Engineering Manager, *Georgia Tech Bits of Good*   *Jan 2025 – Present*
- Leading team of 5 developers to create application to encourage children to take their medicine
- Implemented a new design system directly from Figma using React, Radix UI, TailwindCSS and Next.js
- Created internal CLI based on shadcn/ui for easy access to design system for all Bits of Good projects

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

Intern, *NewGen Business Solutions*   *May 2023 – Aug 2023*
- Developed a testing framework for critical application during migration from Create-React-App to Vite

Education

Georgia Institute of Technology   *Aug 2024 – May 2027*
Candidate: B.S. in Computer Science with concentrations in Information Networks and System Architecture
- **Courses**: Database Systems, Computer Organization, Systems and Networks, Data Structures & Algorithms, Design & Analysis of Algorithms

Projects

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

AlphaSnake   *rgodha.com/alphasnake*
- Trained a custom neural network using a genetic algorithm across 96 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, Python, HTML/CSS/Javascript
- **Frameworks & Technologies**: Svelte/Sveltekit, React, Next.js, Tanstack Start, Tailwind CSS, AWS, Infrastructure as Code (IaC), Docker