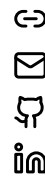# ROHAN GODHA
FULLSTACK ENGINEER

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

EXPERIENCE

Rocketlab, Web Software Intern   *May 2025 – Aug 2025*
- Incoming intern in Rocket Lab's Albuquerque office starting in May 2025!

NewGen Business Solutions, Software Engineering Intern   *May 2023 – Aug 2023*
- Modernized Oracle's SuiteCloud Extension testing framework by migrating outdated Jest version to Vitest
- Created tests for 80% of all API endpoints in ConventionSuite, NewGen's primary product, increasing confidence in their ongoing rewrite from Create-React-App to Vite
- Led effort to modernize target client database, increasing conversion rate on email marketing campaigns

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, Linear Algebra, Objects and Design, Computer Organization
- **Activities**: GT Bits of Good, Marine Robotics Group, dependently-typed, Competitive Programming

PROJECTS

Brainrot.mov   *rgodha.com/brainrot*
- Grew an educational developer focused account (@aws_peter) to 50k+ followers, 3.3M+ views, and 1.2M unique viewers by teaching concepts like Docker, Kubernetes, AWS Lambda, and Infrastructure as Code
- Enabled 100+ users, with 5+ paying users, to generate 400+ videos with multiple reaching 100k+ views.
- Created a React app for generating short form videos using AI voices and custom images, deployed to AWS

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

Alpha Snake   *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

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

ACTIVITIES

Broncobotics, Head of Technology   *Aug 2020 – May 2024*
- Led team to second place finish in the Las Vegas FRC Regional in 2022 as programmer and strategist
- Spearheaded 20 student team creating and coding a robot in 6 weeks for the FIRST Robotics Competition

GT Bits of Good, Developer   *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

SKILLS

- **Languages**: English (Native speaker), Hindi (Conversational), Spanish (Basic proficiency)
- **Programming Languages**: Javascript/Typescript, Rust, Python, Java, Go, Nix
- **Frameworks & Technologies**: React, Next.js, Node.js, Svelte, Tailwind CSS, AWS, IAC, Docker, Pulumi