Vighanesh Gaund

+1 (201) 893-7350 vighanesh2@gmail.com linkedin.com/in/vgaund github.com/vighanesh2 vighaneshgaundportfolio.vercel.app

EDUCATION

New York Institute of Technology New York, NY

M.S. Computer Science *(Graduated May 2026)* **GPA: 4.0** | B.S. Computer Science, Minor in Mathematics *(May 2025)*

WORK EXPERIENCE

Founder & Lead Software Engineer | Rontzen (www.rontzen.com) | New York, NY *Feb 2026 – Present*

- Building Rontzen, an AI-powered document intelligence platform that helps teams analyze, compare, summarize, and draft content across multiple business documents.
- Designed cross-document AI workflows using document parsing, embeddings, semantic search, RAG, and LLM-powered writing assistance to support multi-document question answering and source-grounded responses.
- Processed and generated insights across 500+ documents during MVP testing, improving workflows for document upload, retrieval quality, document comparison, and AI-assisted drafting.
- Tested the platform with 10 beta users and iterated on onboarding, response quality, document retrieval accuracy, and overall user experience based on feedback.
- Integrated Open Claw, an embeddable API that enables companies to deploy custom document AI assistants inside their own products and internal workflows.

Software Engineer Intern | StudyFetch | New York, NY *Nov 2024 – May 2025*

- Built a social analytics dashboard (Next.js/shadcn, Prisma, MongoDB, Apify) the marketing team used to track 100+ Instagram and TikTok creator accounts.
- Replaced their manual spreadsheet reporting with monthly and yearly engagement trends they could act on directly.
- Shipped AI-powered study tools (studyfetch.com/arcade) that turned student notes into interactive Three.js games, adopted by medical-student users.
- Auto-generated anatomical diagrams from notes, driving a measurable lift in session engagement.
- Designed data pipelines processing 100K+ videos daily across 200K+ tracked assets, structuring database aggregation so the product team's dashboards stayed responsive.

Software Engineer Intern, Full Stack | Radiant Global Fund | Dubai, UAE *Jun 2025 – Aug 2025*

- Launched radiantglobalfund.com (Next.js, TypeScript), centralizing operations for a 10-person investment team and removing 4 hrs/week of manual workflow per analyst.
- Engineered a real-time stock analysis platform (https://trade-analysis-topaz.vercel.app/) that replaced the team's manual research across 500+ stocks, integrating Yahoo Finance data and proprietary strategy logic over WebSocket feeds at sub-second latency.

Teaching Assistant & Supplemental Instructor | NYIT | New York, NY *May 2022 – Present*

- Lead 4 weekly hours of supplemental instruction for Programming 2 (Prof. Wenjia Li), designing concept reviews and exam-prep materials for 40+ students; also serve as TA across CS coursework, handling grading, proctoring, and lab support.
- Pitched SnapWork, a supplemental-instruction management tool (lesson planning, email scheduling, attendance tracking), to investors at NYIT Demo Day as part of the NEST cohort.

PROJECTS & HACKATHONS (HTTPS://DEVPOST.COM/VIGHANESH2)

Centipede (https://github.com/vighanesh2/Centipede-Mobile-App) | *React Native, JavaScript, Stripe API, Flask, MongoDB*

- Designed a real-time reward-maximization algorithm that selects the optimal credit card per transaction by mapping spend categories across issuers; wrapped it in a tap-to-pay app with secure multi-card linking via Stripe and a Flask/MongoDB backend that recomputes rankings only on card add/remove.

AI Mock Interview Platform (https://github.com/vighanesh2/TrueFace-AI-Interview-Platform) | *Next.js, Python, WebSockets, OpenAI API, Monaco Editor*

- Developed a full-stack AI interview simulator with an AI avatar that conducts adaptive behavioral and technical interviews, paired with a LeetCode-style Monaco editor for real-time coding practice.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, MySQL, HTML,Go, Rust, C#, C++

Full-Stack: Next.js, React, React Native, Node.js, Flask, FastAPI, REST APIs, WebSockets, Three.js

AI / ML: RAG, LLMs, SLMs, PEFT Fine-Tuning, PyTorch, Hugging Face, Prompt Engineering, OpenAI API, Claude API

Data & Storage: PostgreSQL, MongoDB, Firebase, Redis, Supabase, Prisma ORM, Data Pipelines, Elasticsearch, MYSQL

Cloud & DevOps: AWS, GCP, Docker, CI/CD, GitHub Actions, Vercel, Microservices

ACHIEVEMENTS

Hackathon Winner (8): BigRedHacks, HackPrinceton, HackNYU, HackDartmouth, BostonHacks, NYIT Hacks, CTF NYIT, Game Design NYIT, Bootstrapping Reality AI × Reality **Awards:** Dean's Graduate Achievement Award, Dean's Undergraduate Achievement Award