

Vishruth Anand

vanand@gatech.edu | (480) 548-8705 | [linkedin.com/in/vishruth-anand/](https://www.linkedin.com/in/vishruth-anand/)

EDUCATION

Georgia Institute of Technology

GPA: 3.93

BS/MS in Computer Science, Minor in FinTech

Expected Graduation: December 2026

Coursework: Computer Vision (grad), Knowledge-Based AI (grad), Computer Systems/Networks, Objects and Design, Object Oriented Programming, Data Structures/Algorithms, Artificial Intelligence, Machine Learning, Probability/Statistics, Design/Analysis of Algorithms

WORK EXPERIENCE

SDE Intern

May 2025 - August 2025

Amazon Web Services

- Architected high-performance, multi-monitor video overlay redirection system for Amazon DCV Web Client, achieving 120 FPS and 0.15ms render latency (266× faster than baseline) across dynamic screen configurations
- Engineered fault-tolerant communication protocol coordinating Chrome extension, proxy browser, and remote client components, implementing service workers and native messaging APIs to maintain 99.9% coordination reliability across complex edge cases including tab detachment and multi-display movement

Undergraduate Researcher

August 2023 - Dec 2024

Robotic Musicianship Lab - Georgia Tech Vertically Integrated Project

- Built a MuseScore plugin in QML to provide AI-driven assistance for composers, enabling melody generation, musical sequence prediction, and style transfer capabilities across 15+ musical genres
- Scraped and sanitized over 550,000 MIDI files, building a data cleaning pipeline using Spotify and OpenAI APIs, SQL, and Python data analysis libraries to clean, sort, and label MIDI data
- Contributed to the training and deployment of transformer-based music generation models, enabling real-time AI-assisted composition in MuseScore via a Flask backend with sub-second inference latency
- Developed Tkinter visualization tools to compare 5+ transformer variants, analyzing accuracy, latency, and output diversity across datasets with 15+ benchmark metrics

Software Engineer Intern

May 2024 - August 2024

PyPs.In

- Built and shipped a Chrome extension to automate LinkedIn post and comment engagement using Gemini, doubling reply rates in internal testing and reducing manual outreach time by 80%
- Integrated LinkedIn, Gemini, and AWS Amplify APIs; built REST and GraphQL endpoints for post data querying, and developed a Node.js + Express backend to manage comment workflows
- Redesigned the app architecture to React + Typescript, creating a modernized UI to support advanced features, including emotion-based comments, personalized user responses, and comment history tracking
- Integrated a SLM using Transformer.js to locally filter and engage with reply-worthy comments, reducing Gemini API requests by approximately 30% and improving processing efficiency

Research Intern

June 2022 - August 2022

University of Arizona Memory Development and Disorders Lab

- Analyzed 350+ MRIs of neurotypical and Down Syndrome youth using ITK-Snap and R, identifying hippocampal subfield volume variations to uncover group-wise neurodevelopmental trends.
- Co-authored a forthcoming publication and presented findings to 500+ attendees at the AZBio Awards.

OTHER

Knack Tutor, Georgia Institute of Technology

August 2023 - Present

- Tutoring Georgia Tech undergraduate students in Data Structures & Algorithms, Linear Algebra, Calculus I / II, Intro to Object Oriented Programming, and Computer Organization through Knack. Completed 300+ hours of tutoring with a 4.98/5 rating

GreenPlate

January 2024 - May 2024

- Developed an Android food-management app in Java using MVVM to track meals, calories, pantry items, recipes, and shopping lists, with full CRUD support and real-time sync
- Implemented Firebase auth and database logic; designed 12+ interactive UI screens, processed 200+ entries, and tested with 10+ users

SKILLS

Programming Languages: Python, Javascript/Typescript, Java, Rust, Assembly, SQL, HTML/CSS, C, R,

Frameworks & Tools: AWS, React.js, WebRTC, Node.js/Express.js, Android Studio, Bash, SQLite, Docker, ITK-Snap, PyTorch, GDB