

Yatharth Bhargava

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Education

Georgia Institute of Technology

August 2021 - May 2025

Bachelor of Science in Computer Science | GPA: 3.95/4.0

Atlanta, GA

Relevant coursework: Design of Operating Systems, Intro to Artificial Intelligence, Design and Analysis of Algorithms, Machine Learning, Computer Organization and Programming, Systems and Networks, Software Engineering Design

Work Experience

NCR Corporation

May 2022 - August 2022

Software Engineering Intern

Atlanta, GA

- Implemented a new feature on Self-Checkout deployable in 1 million stores, enabling seamless donations to charities.
- Developed a full-stack web app (Typescript, React, NestJS) utilizing Google Cloud services (Apigee, Firestore) to support NCR employees and store owners in efficiently managing the new feature.
- Added the new feature's state to Self-Checkout's custom C++ state machine and added a new screen to the .NET UI.
- Achieved a top 25 finish among 2000+ teams in NCR's annual hackathon by building a Machine Learning-powered Self-Checkout feature that reminds shoppers of potentially forgotten items based on transaction history.

Startup Exchange Fellowship

September 2021 - December 2021

Program Member

Atlanta, GA

- Selected for a 10-week startup accelerator at Georgia Tech and received \$750 in funding.
- Founded Tokenstack (tokenstack.dev) - a web3 startup that expedited NFT development by 200% by providing an API for minting NFTs, eliminating the need for custom contracts.
- Developed a dashboard using React for users to gauge API use and view their NFTs.

ClearTrail Technologies

August 2020 - September 2020

Software Engineering Intern

Indore, India

- Researched the effectiveness of pose estimation in sentiment analysis for crime detection in videos.
 - Utilized OpenPose to perform pose estimation and integrated with sentiment analysis system (Tensorflow, Python).
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Leadership Experience

Hack4Impact - Georgia Tech Bits of Good

August 2022 - Present

Senior Developer

- Remodeled GT Scheduler, an open-source course scheduling tool with 24,000+ active monthly users at Georgia Tech.
- Spearheaded the migration of the course crawler (Typescript, Node JS) to a new version of Banner, a registration provider for universities, saving the website from a breaking change in versions.
- Followed AGILE development, reviewed code, and implemented complex data loading and UI components in React.

Georgia Tech Startup Exchange

April 2022 - Present

Director of Marketing and Design

- Led a team of 5 creatives to produce weekly multimedia marketing content attracting 400+ regular event attendees.
- Founded ImmerseGT, the world's largest Mixed Reality hackathon. Attracted 2,500+ global registrants from 50+ universities and 9 countries with widespread social media outreach and a website (immersegt.io/).

College of Computing, Georgia Institute of Technology

January 2023 - May 2023

Teaching Assistant - Systems and Networks (CS 2200)

Atlanta, GA

- Instructed 50-student section on virtual memory, processor architecture, multithreading, and caching.
 - Developed C-based auto-grading tools and comprehensive unit tests, saving hours of manual grading time.
 - Provided support during weekly office hours by helping students debug their C and circuit design projects.
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Project Experience

Halocrypt

May 2020 - May 2021

Python, discord.py, Vercel, Flask | halocrypt.com

- Established India's largest capture-the-flag and secured sponsorship from Vercel, Replit, and NordVPN.
 - Attracted 5000+ participants from more than 80 countries by email and social media outreach.
 - Scaled the website backend (Flask) to handle 6 million requests over the course of the event, developed a discord bot to administer 2000 users, and produced a promotional trailer (4,000+ views on Youtube).
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Skills

Languages and Frameworks: Python, Javascript, HTML, CSS, MySQL, Java, Typescript, C, C++, C#, Express, React, React Native, NestJS, NextJS, TailwindCSS, Selenium, Flask, .NET, TensorFlow, PyTorch, Numpy