

Parth Jain

Honors CS and Math at Georgia Institute of Technology

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EDUCATION

Georgia Institute of Technology

B.S. in Computer Science, B.S. in Mathematics
Minor in FinTech

12/2028

Atlanta, GA

- Concentrations: Intelligence and Systems & Architecture (CS), Probability & Statistics (Math)
- Coursework: DSA, Linear Algebra, Artificial Intelligence
- Activities: Trading @ GT, Automated Algorithm Design VIP, Technology Consulting Group, Honors Program
- GPA: 4.0/4.0, SAT: 1600/1600

EXPERIENCE

Technology Analyst Intern

Morgan Stanley

06/2024 - 06/2025

- Collaborated with international teams using Agile methodology to build firmwide internal applications.
- Implemented secure OIDC authentication and migrated outdated software to React.

Computational Biology Researcher

Carnegie Mellon University
Stony Brook University

06/2023 - 03/2025

- Identified amino acid residue interactions and predicted mutation pathogenicity using MutPred2 AI algorithm.
- Led research on generative AI models to design cancer-pathway-inhibiting drugs and COVID-19 time-series analysis.

Co-Founder & Developer

CommuniTeens

09/2023 - Present

- Created and launched web application serving 2k+ students in NJ, Tennessee to discover and log 600+ service hours.
- Implemented AI-personalized feed and OCR ID verification.

Full-Stack Web Developer

Freelance

06/2023 - Present

- **Hindu Samaj Mandir:** Added event registration and online donations features, helping secure \$3k+ in additional funds.
- **Christ Church of Suffern:** Rebuilt church's website, increasing traffic to church's thrift shop business site by 29%.
- **Building Performance Institute, Inc.:** Built website for PowerUP initiative, offering low-income families affordable sustainable energy solutions using ChatGPT API.

SKILLS

AI/ML

Predictive Modeling

Python

R

Java

C/C#

Node.js

React

SQL

Git/CICD

Linux

Discrete Math

Abstract Algebra

PROJECTS

OvaVision LLC

- Worked with start-up to design and construct chicken egg incubator and sorting apparatus with Raspberry Pi to combat chick culling.

Genetic Algorithm AI Visualizer

- Game played by Neural Network agents powered by a Genetic Algorithm, with graphical representation of agentic progression.

Chess Move Predictor

- Machine learning model using Stockfish chess engine and player ELO to predict subsequent moves in a chess match.

HONORS & AWARDS

Finalist, U.S. Presidential Scholars (04/2025)

Career and Technical Education Track

Winner, Congressional App Challenge (01/2024)

NJ 5th District, U.S. Congress

Research Conference Presenter

IEEE MIT Undergraduate Research Technology Conference (10/2024)

Materials Research Society (11/2023)

LEADERSHIP

President & Lead Developer

Code for Charity

09/2022 - 06/2025

- Partnered with 6 non-profits to design and develop their websites and enhance their online presence.
- Distributed tasks and provided web development instruction to inexperienced members.

President

2025 Class Council

10/2022 - 06/2024

- Led discussions with school administration regarding student body matters such as mental health and event planning.
- Successfully advocated for official recognition of the Hindu festival Diwali as a district holiday.
- Raised over \$30k for class events.