Anubhav Sinha

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EDUCATION

Tufts University **Medford, MA**

Computer Science and Entrepreneurship - School of Engineering *Expected May 2028*

GPA: 3.73

Honors: Dean's List all semesters

Relevant Coursework: Introduction to Computing in Engineering, Introduction to Computer Science, Discrete Math, Calculus II & III, Linear Algebra, Data Structures

RELEVANT EXPERIENCE

Xceler.ai

Software Development Intern *Jun 2025 - August 2025*

- Designed, tested and implemented futures and options trading platform which supports efficient real time risk assessment and provides transparent commodities data to users to facilitate trading.
- Led quality checks on our data pipeline, found and fixed recurring bugs, and made sure the options systems received clean and accurate data.
- Researched and analysed futures and options data to create an efficient and accurate representation of input data.
- Learned to use new technologies such as Django.

PROJECTS

Rosetta | JumboHack

Participant *February 2026*

- Worked collectively with my team of 4 to build a website using React and Vite which helps users learn new programming languages through progressively harder coding challenges, from "Hello World" to lambdas
- Used the Claude API to generate starter code for the user and solutions to the problem written in a language the user already knows, making the learning curve much less intimidating
- Hooked up the Judge0 API for real-time code execution so users get instant feedback on their submissions
- Stored user progress and data with Supabase and deployed the website on Vercel

Gymbo | JumboHack

Winner of the Emerging Technology Track *February 2025*

- Worked collectively with my team of 5 to deliver a high performance machine learning model in a time sensitive environment.
- Engineered a Random Forest model with my team which predicted future demand for gym equipment.
- Utilized YOLO for real-time gym equipment detection, feeding usage data into the model to accurately forecast demand.
- Designed and deployed a Flask REST API to serve predictions in real time, achieving robust performance suitable for real time usage.
- Solved a resource allocation challenge by implementing a system that enabled users to more precisely time equipment usage in order to reduce wait time.

TECHNICAL SKILLS

Programming: Java, Python, C++, SQL, Matlab

Frameworks: Django, PostgreSQL, React, Git

LEADERSHIP & ACTIVITIES

The Tufts Daily

Editor *2025 - Present*

- Have written and edited four articles, advised on 12 more.

Tufts SEDS Rocketry Club

Member *2024 - 2025*

- Designed and built a level 1 personal rocket.
- CADed nose cone, fins and engine frame for optimal performance.