

MUSKAN MAHAJAN

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EDUCATION

Georgia Institute of Technology - BS in Computer Science (Human-Computer Interaction & Artificial Intelligence Threads) May 2027
Relevant Coursework: Data Structures & Algorithms, Objects & Design, Human-AI Interaction, Study Abroad at Barcelona GPA: 3.6

SKILLS

Languages: Python, JavaScript, TypeScript, Java, C/C++, SQL, HTML/CSS
Libraries/Frameworks: React, Next.js, Angular, Tailwind CSS, shadcn/ui, Node.js, Flask, Django, PostgreSQL, MongoDB
Dev Tools: Git, CI/CD, GitHub Workflows, Docker, Kubernetes, AWS (S3, EC2, Lambda), GCP, Azure

WORK EXPERIENCE

Catalyst by Wellstar (\$100M healthcare VC fund) | Atlanta, Georgia May 2025 – Aug 2025
Software Engineering Intern

- Built AI-powered research agents (GPT-3.5, Perplexity Sonar) to extract structured insights from 55+ startup decks and market reports – reduced investment due diligence time by ~75%
- Developed real-time venture trend tracking platform (React + Node.js) integrating LLM-driven signal detection from web and news data
- Reduced manual data handling by 67% by automating deal flow data centralization using Notion API, Affinity CRM, and AWS S3

Buzz Bazaar (Resale Marketplace Startup) | Atlanta, Georgia Oct 2023 – May 2024
Software Engineering and Product Development Intern

- Developed Georgia Tech's first web-based reselling marketplace, facilitating over 60+ transactions and \$3,600 in resale revenue
- Designed 12 frontend components – including Login, Buy and Sell pages – using React, Typescript & Next.js, and tested with 45+ users
- Managed 65+ product listings using PostgreSQL and eliminated operational costs by performing zero-cost email auth with Supabase

BELA: Bot for English Language Acquisition | New Delhi, India Jan 2022 – Nov 2022
NLP Engineer and Research Intern

- Developed an AI-powered English-learning chatbot used by 35+ underserved students, improving language proficiency by 133%
- Built NLP backend with Python, using NLTK, Transformers, and gTTS to implement classification, translation, and Q&A modules
- Youngest published first-author researcher at top AI/ML conferences (EMNLP and NeurIPS) in the “NLP for Social Good” track

Wolfram | Remote Jun 2022 – Jul 2022
Machine Learning Intern

- Trained Random Forest classifier on 5,600 multilingual essays to identify native language – improved accuracy by 5.6% over baseline
- Collaborated with linguists and Machine Learning engineers to support English instructors via explainable AI tools

FULL STACK PROJECTS (hyperlinked)

Y Combinator AI Startup School (AI SUS) Roster May 2024 – May 2024

- Developed full-stack app to help 2000+ AI SUS attendees (Stanford PhDs & YC founders) find peers via **semantic profile matching**
- Engineered semantic matching engine using GPT-4o and Pinecone to return connections based on shared backgrounds and interests
- Built 6,700+ LOC stack with TypeScript and React (shadcn/ui) frontend and high-fidelity Python and FastAPI backend

Affirm: Positive affirmations generator Apr 2023 – May 2023

- Built Angular app that uses GPT-3.5 API to generate custom positive affirmations based on user grievance and sentiment
- Acquired 400+ users and earned 40+ upvotes on dev forum Product Hunt

LEADERSHIP

Vice President. Women @ College of Computing GT: Fostering networking opportunities for 450+ women by managing corporate sponsorships and organizing events with Google, Bloomberg, and more!

Director of Events, Startup Exchange: Led team of 13 to launch first Women's History Month tech event (\$2.5K raised, 110+ attendees)

Competitive Powerlifter: 3x National deadlift gold-medalist (125 lb. category) with cumulative 463 lb.