

Sai Nellutla

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EDUCATION

Cornell University - College of Engineering

Ithaca, NY

Bachelor of Science in Computer Science

Expected Graduation: May 2026

Relevant Coursework: AI in Python, Data Structures & Algorithms in Java, Object Oriented Programming in Python, iOS App Dev in Swift, Digital Logic & Computer Org. in C, Functional Programming in OCaml

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, HTML, CSS, SQL, Swift

Frameworks/Libraries: React, Node.js, PostgreSQL, REST APIs, OpenCV, MediaPipe, NumPy

Developer Tools: Google Analytics, MSOffice, GammaAI, Git, Asana, Jira, Netlify, Vercel, Linux, MacOS, Windows

EXPERIENCE

Fullstack Software Engineer Intern

Dec 2024 – Jan 2025

AlgoLink | AI-Powered Recruitment Startup from Cornell & Dartmouth

Remote

- Collaborated with the AI/ML team to integrate **BERT**-based resume parsing into AlgoLink's backend via custom API endpoints, contributing to a **23% increase** in candidate-job match accuracy based on **A/B test** results.
- Worked with product and design teams, managing tasks through Jira and conducting **15+ Git-based code reviews**, ensuring smooth integration between frontend and backend components while maintaining high code quality.

Technical Product Manager Intern

Jul 2024 – Aug 2024

Blockhouse | Fintech Trade Execution Startup

New York, NY

- Led the deployment of a data scraping tool using **Selenium** to parse 13F trade filings from over 3,000 firms, including Berkshire Hathaway and TD Capital, optimizing TCA (Transaction Cost-Analytics) report generation.
- Collaborated with **cross-functional** teams using Atlassian Jira, actively participating in 30+ Agile Github code reviews, to develop 3 key frontend features including a TCA carousel and the responsive Potential Savings CTA.
- Contributed to platform thought leadership by authoring articles on **Medium** that reached over **5,000 readers**, driving engagement and awareness on critical industry issues like the Robinhood SEC scandal and insider trading.

PROJECTS

Focallus: Distraction Monitoring System | OpenCV, MediaPipe, Python, Computer Vision, ML

Present

- Developed a computer vision-based distraction monitoring system using OpenCV, MediaPipe, and ML algorithms for real-time eye tracking, achieving **85% accuracy** and optimizing focus during flow state work sessions.

Parkr: Find Cheap Parking on Campus | React, HTML, CSS, JavaScript, PostgreSQL, Netlify

Present

- Launched a full-stack **CRUD** parking management platform with 500+ user engagements, utilizing **REST APIs** for seamless data communication. Reduced bounce rates by 25% through intuitive UI/UX design with **React**.

Prakriti: Feeding the Future | Arduino, React, JavaScript, HTML, CSS, Netlify

Feb 2024

- Served as the team lead, winning **\$3,000** for developing Prakriti, an **IoT-driven** business solution which intends to eliminate rice crop burning in India, a practice that contributes to 86 million tonnes of CO2 emissions annually.

Space Invaders Game | Python

Dec 2023

- Led a team of 4 to develop a fully functional 'Space Invaders' clone in **Python** using OOP principles. Optimized class design and data handling, boosting code efficiency by 28%, and migrated the game to **Swift** for mobile use.

CAMPUS INVOLVEMENTS

Vice President | Engineers Without Borders at Cornell

Oct 2023 – Present

- Lead a **50-member** team, managing stakeholder communication, and coordinating project logistics for international & domestic projects, including a local Climate Fund App that raised **\$2,000+** for Tompkins County.
- Spearheaded an engineering initiative in **Bolivia**, leading a cross-functional team to construct a septic system for **300+ rural residents**, directly improving health outcomes and reducing waterborne illness risk for the community.

Social Lead | Association of Computer Science Undergraduates at Cornell

Oct 2024 – Present

- Take initiative and leadership as an EBoard member, organizing fundraising, recruitment, and social events.
- Created promotional social media content on Instagram and X for events increasing event attendance by **65%**.

AWARDS & INTERESTS

Awards: Beck Entrepreneurship Fellow (\$6000), Cornell DigAg Hackathon 1st Place (\$3000), CSMORE Scholar (\$1000)

Interests: Tibetan Mountaineering, High-altitude Cooking, Boulderling, Hiking, Street Art, Stand-up Comedy & Open Mic