

## EDUCATION

### University of Illinois Urbana-Champaign, Grainger Engineering

Expected Graduation: Dec 2026

- Bachelor of Science in Computer Science (Honors)
- *Coursework:* Data Structures & Algorithms, Software Design, Machine Learning, AI Honors Course Assistant
- Skills: Python, JS, C++ | PyTorch, Scikit-learn, LangChain | React, NodeJS, NextJS, Streamlit, AWS
- Certifications: Fast.ai Practical Deep Learning, ML Specialization, Neural Networks and LLMs from scratch

## WORK EXPERIENCE

### AI/ML Intern

#### Stealth Startup (Techstars 2024)

Dec 2024 - Present

- Developing core AI infrastructure, partnered/backed by OpenAI, Google, Microsoft, and MIT Solve
- Designing novel RAG system for Realtime API, building 40% more seamless, knowledge-backed voice agents
- Building custom AI agents, powered by Claude Computer Use & company APIs, improving reliability by 5x

### Founding Engineer

#### MetaFrazo.ai Translation (Visit)

Oct 2024 - Present

- Built B2B platform for AI video translation & lip-syncing, tested by MrBeast, Meta, NBA, and K-Pop media
- Implemented parallel processing pipelines with Celery, Redis & ElevenLabs for 75% faster translation
- Deployed Flask+React based scalable, dockerized systems with CI/CD on AWS Elastic Beanstalk and S3

### Machine Learning Intern

#### Risk Management AI Team

Aug 2024 - Dec 2024

- Developed fine-tuned LLM + predictive models to generate reports & increase productivity by 20% in banks
- Built secure Llama chatbot for custom SQL queries on global banks' data, saving analysts 3+ hours daily
- Selected for R&D in an experimental AI team of risk managers from a large NYC-based financial institution

### Software Engineer

#### Jan Surraaj Political Party (Visit)

June 2024 - Aug 2024

- Led development of a React Native app and live statistics dashboard for societal reform & state election surveys
- Utilized by 5,000 volunteers to reach 6 million+ citizens, saving 300,000 US Dollars
- Executed 5 high-profile campaigns with Harvard, Stanford alumni & Prime Minister Modi's Political Strategist

## PROJECTS

### VibeGPT (2024) - [Live](#)

OpenAI, NextJS, Firebase

- AI chatbot that connects similar users in real-time, based on an analysis of their conversations
- Utilized dynamically weighted averages, normalization, and cosine similarity search on text embeddings

### SDLC-Accelerate (2024) - [Demo](#)

OpenAI, Prompt Engineering, React

- End-to-end AI platform w/ feedback-driven HITL, accelerating months of project planning for tech companies
- Converting SWE project requirements to GenAI Excel sheets, UML diagrams, documentation, & UI mockups

### MediChain Healthcare (2024) - [Github](#)

Llama AI, ICP Blockchain, React

- Decentralized patient medical database for secure and efficient communication between hospitals worldwide
- Developed an integrated context-aware AI and visualizations platform for pandemic preparedness research

### SafeR Technologies (2023) - [Website](#)

Python, Pandas, Flutter

- Researched novel algorithm for safe refugee relocation, deployed by United Nations, impacting 550+ refugees
- Created emergency network app, tested with rural governments, National Adventure Foundation, & 1000 users

## AWARDS AND LEADERSHIP

- HackMIT Winner (1000+ participants) and UIUC's AI Hackathon Winner powered by Z Fellows
- World Economic Forum Representative of India on AI - Advised 50+ companies, led & taught 200 students
- Intel Artificial Intelligence Global Impact Award - 3 Rounds of National and International selection
- National Youth Award for Exceptional Achievement - State Nominee for High Impact Tech Innovation