

## 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

- AI/ML: Python, PyTorch, TensorFlow, Keras, Hugging Face, NumPy, Pandas, LangChain, Fast.ai, Pinecone
- Full-Stack: JavaScript, React, Node.js, Next.js, AWS, GCP, Azure, Docker, SQL, NoSQL, Java, Kotlin, C++

## WORK EXPERIENCE

**AI/ML Intern** **Stealth Startup (Techstars 2024)** **Dec 2024 - Present**

- Designing core AI infrastructure, partnered/backed by OpenAI, Google, Microsoft, and MIT Solve
- Engineered novel RAG system on Realtime API, for 40% more seamless, knowledge-backed voice agents
- Created 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 backend 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 Suraaj Political Party (Visit)** **June 2024 - Aug 2024**

- Led development of a React Native app and frontend statistics dashboard for societal reform & 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+ Hackers), UIUC AI Hackathon Winner, National Youth Award (Tech Nominee)
- **Intel** Artificial Intelligence Global Impact Award - 3 Rounds of National and International selection
- **World Economic Forum** Representative of India on AI - Advised 50+ companies, led & taught 200 students