

Saharsh Marri

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EDUCATION

University of Illinois Urbana-Champaign, Grainger College of Engineering, Champaign, IL May 2030

Candidate for Bachelor of Science in Computer Science

Relevant Coursework: CS 128 Introduction to Computer Science II; CS 173 Discrete Structures

VIVA The School, Guntur, India

May 2026

Honors & Awards: INOI Qualifier, Top 200 Nationally; CREST Gold Award

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, HTML/CSS, JavaScript

Platforms/Tools: TensorFlow, Keras, scikit-learn, NLTK, OpenCV, Flask

RELEVANT EXPERIENCE

Independent Research on Crop Disease Detection

Mentors: Dr. Shewta Loonkar & Dr. Karishma Desai

February – September 2025

- Conducted research on crop disease detection using Ensemble AI models consisting of pre-trained models like VGG16, Inception V3, & MobileNetV2 and custom trained CNNs
- Models achieved a maximum of ~99% accuracy on 60,000+ plant images covering 40+ disease types
- Introduced novel Mobile Efficiency Score (M-score) to push for accessibility-first development
- Presented at IEEE ICIH 2025 and paper was published on IEEE Xplore; DOI: 10.1109/ICIH67754.2025.11608673

Cambridge Center for International Research (CCIR), Cambridge

Cambridge Future Scholar Research Programme Participant

Mentor: Dr. Weiwei Sun, Associate Professor, Cambridge University

April – August 2024

- Built modular POS tagging pipeline for English-Telugu code-mixed text using language tagger, AI4Bharat XLit transliteration, and independent English & Telugu taggers (Averaged Perceptron, NLTK)
- Achieved 78.04% overall tagging accuracy, with 94.94% (English), 86.96% (Telugu), and 96.03% (language tagger) component accuracies
- Awarded CREST Gold for the project

PROJECTS

AgroLend

Founder & Developer

May 2023 - Present

- Built AI chatbot with short video generation capabilities delivering financial literacy content to South Indian farmers in their native language using Python & Flask
- Chatbot is deployed as a Google Cloud service and connects with the main AgroLend webapp hosted on Firebase
- Impacted 100+ Farmers in Andhra Pradesh, India; presented project at United Nations 1M1B Youth Activate Impact Summit conference in Dec 2024

LEADERSHIP

VIVA MUN, Guntur, India

Secretary General

December – July 2025

- Led 19-member team organizing largest MUN in the state of Andhra Pradesh, growing conference to 500+ participants
- Secured \$7,000 in sponsorships, including negotiating Rotary Club of Jubilee Hills as chief sponsor
- Managed logistics, budgets, online registration, public outreach, and committee design & development