

Saharsh Marri

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[Personal Website](#) | [Github](#)

SUMMARY

Dedicated high school student passionate about applying AI to create social impact. Demonstrated leadership through UN presentation and role as Secretary General of VIVA MUN. Strong research background with IEEE acceptance and CREST Gold recognition.

ACADEMIC QUALIFICATIONS

Institution	Details
VIVA The School, Guntur, India	Freshman Year: 98.2%, Sophomore year: 96.67%, Junior Year: 97% Senior Year Courses : Mathematics, Physics, Chemistry, English, Computer Science
Advanced Placement Courses	AP Computer Science A (5), AP Calculus AB (5), AP Calculus BC (5), AP Physics C Mechanics (5), AP Microeconomics (5); Won AP Scholar with Distinction Award
Programming Skills	Python, Java, JavaScript, C++, HTML/CSS, TensorFlow, PyTorch, Keras, scikit-learn, NLTK, OpenCV
Courses and Certificates	Stanford University & DeepLearning.AI Machine Learning Specialization (Grade: 99.92%) - Coursera Learnt supervised, unsupervised and reinforcement learning, neural networks

RESEARCH & PROJECTS

Project	Details
Research on Crop Disease Detection <i>Feb 2025 - Aug 2025</i> Mentor: Dr. Karishma Desai	- Conducted research on crop disease detection using Ensemble AI models - Achieved ~99% accuracy on 60,000+ plant images covering 40+ disease types - Introduced Mobile Efficiency Score (M-score) for mobile deployment evaluation Accepted to IEEE ICIH 2025 & to be presented in November this year
Research on Code-Mixed NLP <i>Apr 2024 - Aug 2024</i> Mentor: Dr. Weiwei Sun, Cambridge University	- Designed NLP systems for English-Telugu code-mixed text processing - Tested Classifiers, Hidden Markov Models, Neural networks Awarded CREST Gold
AgroLend <i>Mid 2023 - Present</i>	- Developed AI-powered information portal for farmers' financial literacy - Impacted 100+ farmers Presented tool at UN 1M1B Youth Activate Impact Summit
Pest & Deficiency Detection <i>Jun 2025 - Present</i>	- Developed AI-powered crop health assessment system combining nutrient deficiency detection & pest identification - Enabled mobile-optimized deployment for accessibility

LEADERSHIP & ACTIVITIES

Role	Details
Secretary General, VIVA MUN <i>12th Grade</i>	- Led 19-member team organizing largest MUN in the state with 500+ delegates - Secured \$6,000 in sponsorship - Managed logistics, registration etc
House Captain <i>11th-12th Grade</i>	- Led a house of 200+ students in inter-house competitions and school events - Previously served as Vice-Captain
Competitive Programming <i>11th-12th Grade</i>	- Qualified for final round of Indian Computing Olympiad (ICO) - Placing among top 200 students nationally - Developed algorithmic thinking and problem-solving skills
Treasurer, SPICMACAY Committee <i>9th Grade</i>	- Served as treasurer for school's official SPICMACAY committee promoting Indian classical music and dance - Organized cultural shows & managed budgets
Student Presenter at SCET, UC Berkeley <i>9th Grade - Summer</i>	- Completed 100 hours in social innovation program - Learning business model design, sustainable project strategies, and human-centred solutions
Olympiads Participant <i>9th Grade</i>	- Won Medal of Distinction in National Cyber Olympiad in 2023 - Won Medal of Distinction in National Science Olympiad in 2023