

SRIHITH CHENNAREDDY

Junior @ Bellevue High School | Programmer | AI Researcher @ MIT, USC, UW

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<https://scholar.google.com/citations?hl=en&user=GkJrSYAAAAJ>

📍 Bellevue, WA, USA

Research Experience

Student Researcher – MIT Lincoln Labs CRE[AT]E August 2025 – April 2026

Developing a low-cost, multimodal wearable-app system to optimize task initiation, dynamically manage cognitive overload and prevent burnout in individuals with ADHD.

Volunteer Researcher – Keck School of Medicine of USC May 2025 – Present

Developing a low-cost, multilingual NLP model for early detection of Alzheimer's Disease, under [Prof. Winston](#). 2x First Author publication accepted in IEEE and ACM, Poster presentation in Alzheimer's Association International Conference (AAIC) Neuroscience Next 2026.

Research Intern – University of Washington, Seattle December 2025 – Present

Developing affordable Machine Learning models for agricultural disease and yield predictions Under [Prof. Yen-Chu](#). First author publication accepted in IEEE.

Independent AI/ML Research Jan 2024 – Present

Developed a novel method for optimizing the cost of AI/LLM Model Training with a Microsoft mentor Published in an IEEE research paper as First Author.

Developed Temporal Fusion Transformer framework for Hypoglycemia Prediction in Diabetes. Accepted at American Association of Clinical Endocrinology (AACE) 2026 Annual Meeting

Honors & Awards

Simons Research Fellow 2026 – Stony Brook University

1 of ~50 fellows from 1864 applicants (<3%)

MIT CRE[AT]E Challenge – Finalist and Award Winner

USA Computing Olympiad (USACO) – Gold Division

Samsung Solve for Tomorrow – National Semi-finalist

Won \$10,000 educational grant for Bellevue High School

Carson Scholar 2026 – recognized for excellence in academics, leadership, and service

CMU Informatics and Math Competition (CMIMC) – 1st Place

Won 1st place. Applied advanced ML techniques using TensorFlow and PyTorch

MIT Informatics Tournament – 3rd Place

Won 3rd place out of 3000+ participants

Volunteering

Presidential Gold Volunteer Service Award

Awarded PVSA Gold for leadership and dedicated community service

Bellevue High School AI Club - Board Member

Lead weekly meetings with 30+ members on AI R&D for social impact.

Volunteer Organizer – UC Berkeley California Informatics Tournament (CALICO)

Volunteer Organizer working with UC Berkeley Graduate students to host the California Informatics Tournament, a biannual contest with 1800+ contestants from 48 countries.

Ambassador – USA AI Olympiad and Congressional App Challenge

Promoted AI education by organizing workshops, mentoring peers, and leading national outreach initiatives; engaged with schools and communities to increase awareness and interest in STEM.

Scholar – Columbia VP&S Medical School Community Health Program

Caring for Community by Promoting Literacy on Stroke, Health Education, and Dementia.

Educating and implementing a mentored capstone community intervention



About Me

I am a passionate computer science learner with a focus on AI/ML, and competitive programming. Outside of academics, I enjoy playing violin and tennis, along with swimming. I have a strong background in debate and volunteering.

AP Scholar with Distinction

COURSES

AP Calculus BC
AP Calculus AB
AP Statistics
AP Computer Science A
AP Computer Science Principles
AP Physics C Mechanics
AP Physics 1
AP US History
AP World History
AP Human Geography
AP Language
Chemistry
Biology
Honors Special Topics in CS

SKILLS

Python
Java
C++
PyTorch
Jupyter Notebook

Professional Membership

- American Academy of Neuroscience
- Alzheimer's Association ISTAART (International Society to Advance Alzheimer's Research and Treatment)
- American Geophysical Union/Japan Geoscience Union (AGU-JpGU)