

Trisanth Srinivasan

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Education

Emerson High School

Aug 2022 – May 2026 (Expected)

GPA: Unweighted: 3.962 / Weighted: 5.115

Activities: CS Club (Co-President), DECA, BPA

Collin College

January 2026 – May 2026 (Expected)

Dual Enrollment

Experience

Software Engineer

Jun 2025 – Present

Givefront (YC W24)

- Built Reddit-based advertising B2B platform solo directly under CEO
- Paid 12-week internship (\$10K) and received interest in platform from companies like Mercor (10B+ Valuation), Third Layer (YC W25), etc

Founder

Oct 2024 – Present

Cyrion Labs

- Scaled 501(c3) Nonprofit research lab to 70+ volunteers and Donated \$17.5K in electronics to nonprofits/small businesses.
- 13+ papers accepted & presented at venues such as WACV, CVPR, ACM MM, DSN, Interspeech, and more and Cited by Microsoft
- Received Monetary awards, Funding, and Grants from Texas Workforce Commission, American Psychological Association, Beal Bank, SMU, and Google TRC
- Collaborated with researchers at CMU, UPenn, Cornell, UCSD, UW, NYU, UNT, and more.

Founder

Dec 2024 – May 2025

Extracurriculars.com

- Built AI Powered SaAs Platform (Next.js + FastAPI) helping connect students with opportunities and onboarded 5,000+ users.
- Raised \$6,000 (JainVC) and received an acquisition offer from Ultra (YC W24).

Research Intern

Mar 2025 – Present

New York University

- Working on research regarding K-12 network content filtering and privacy
- Collaborating with UChicago AiRLab; advised by Dr. Huang.

Lead Developer

Nov 2024 – Feb 2025

ScienceFair.io

- Built core transaction and account management infrastructure handling 100k+ users and \$50K in transactions
- Contributed as part of a 6-person team resulting in a \$1M acquisition by Crimson Education.

Research Intern

Aug 2023 – Nov 2023

University of North Texas, Mixed Realities Lab

- Helped with Virtual Reality Patient Simulations in Unity for US Army Combat Medic Specialists
- Collaboration with ASU and funded by Department of Defense

Founder & Lead Developer

Dec 2021 – Aug 2023

Nova

- Built a privacy tool suite (VPN, DNS, web-proxy) and scaled to 850K MAU, generating \$5K in monthly revenue (ad-revenue).
- Led a 10-person developer team and managed load balanced server clusters across 6 countries.

Publications & Preprints

- **Democracy-in-Silico: Institutional Design as Alignment in AI-Governed Polities**
Neural Information Processing Systems 2025 (Under Review)
Trisanth Srinivasan, Santosh Patapati
- **Graph-Based Instrumental Power-Seeking Index for Robust and Training-Free Auditing of Large Language Models**
IEEE Access (Under Review)
Trisanth Srinivasan, Santosh Patapati
- **DURA-CPS: A Multi-Role Orchestrator for Dependability Assurance in LLM-Enabled Cyber-Physical Systems**
2025 55th Annual IEEE/IFIP International Conference on Dependable Systems and Networks Workshops (DSN-W)
Trisanth Srinivasan, Santosh Patapati, Himani Musku, Idhant Gode, Aditya Arora, Samvit Bhattacharya, Abubakr Nazriev, Sanika Hirave, Zaryab Kanjiani, Srinjoy Ghose
- **PhysNav-DG: A Novel Adaptive Framework for Robust VLM-Sensor Fusion in Navigation Applications**
Proceedings of the Computer Vision and Pattern Recognition Conference (CVPR) 2025 Workshops
Trisanth Srinivasan, Santosh Patapati
- **Towards Leveraging Semantic Web Technologies for Automated UI Element Annotation**
2025 International Conference on Inventive Computation Technologies (ICICT)
Trisanth Srinivasan
- **WebNav: An Intelligent Agent for Voice-Controlled Web Navigation**
arXiv preprint
Trisanth Srinivasan, Santosh Patapati
- **Early Goal-Guided Multi-Scale Fusion for Real-Time Vision-Language Driving**
2025 IEEE 101st Vehicular Technology Conference (VTC2025-Fall)
Santosh Patapati, Trisanth Srinivasan
- **A Framework for ECA-Based Psychotherapy**
Proceedings of the 33rd ACM International Conference on Multimedia
Santosh Patapati, Trisanth Srinivasan, Himani Musku, Amith Adiraju
- **Adaptive Residual Graph Attention for Contrastive Multimodal Representation Learning**
2026 IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)
Santosh Varma Patapati, Trisanth Srinivasan
- **GenECA: A General-Purpose Framework for Real-Time Adaptive Multimodal Embodied Conversational Agents**
Interspeech 2025
Santosh Patapati, Trisanth Srinivasan, Aashrith Tatineni
- **Vision-Language Fusion for Real-Time Autonomous Driving: Goal-Centered Cross-Attention of Camera, HD-Map, & Waypoints**
2025 IEEE International Conference on Image Processing (ICIP)
Santosh Patapati, Trisanth Srinivasan, Murari Ambati
- **CLIP-MG: Guiding Semantic Attention with Skeletal Pose Features and RGB Data for Micro-Gesture Recognition on the iMiGUE Dataset**
MiGA@ IJCAI 2025
Santosh Patapati, Trisanth Srinivasan, Amith Adiraju
- **Most DAIC-WOZ Depression Classifiers Are Invalid, They Don't Learn Task-Specific Features: Preliminary Findings From a Large-Scale Reproducibility Study**
Companion Proceedings of the 27th International Conference on Multimodal Interaction
Santosh Varma Patapati, Ishan Pendyala, Murari Ambati, Pranav Kunadharaju, Pranav Kokati, Amit Adiraju, Trisanth Srinivasan

Awards & Honors

- **3rd Place, Robotics and Intelligence Machines, DRSEF (2025)** — \$200 prize, 1000+ attendees.
- **CMU PicoCTF Top 4% (2025)**
- **Texas DECA International Qualifier (2025)** — Financial Services Team Decision Making.
- **Texas DECA State Qualifier x2 (2024–2025)** — Financial Services Team Decision Making and Food Marketing.