Sahas Sharma

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Education

The University of Texas at Dallas — Richardson, TX
Master of Science in Computer Science, Artificial Intelligence Track — *August 2025 - May 2027*

The University of Texas at Dallas — Richardson, TX
Bachelor of Science in Computer Science — *August 2022 - May 2025*

Experience

Software Engineer Intern — January 2025 – April 2025
REGKO

- Built production-grade web interfaces with React/Next.js, TypeScript, and modern CSS; improved page LCP by **32%**, raised accessibility to **98/100**, and ensured responsive, cross-platform performance.
- Designed and integrated REST/GraphQL services with secure API-key management, request batching, and caching; reduced API latency by **27%** and lowered error rates from **1.2%** to **0.4%**.
- Engineered data pipelines for statutory registry/ESOP datasets and wired Python/TensorFlow/scikit-learn insights into operator dashboards; shipped via AWS CI/CD across **8** sprints with **14** releases and rollback rate **0%**.

Projects

sola - Co-founder, Telora Finalist | *React, Next.js, Firebase, LangChain, OpenAI* — April 2025 – Present

- Shipping a full-stack MVP (React/Next.js, Firebase) with LangChain + OpenAI semantic search; indexed **1,000 +** labs/clubs/grants and onboarded **50 +** beta users.
- Leading an 8-member cross-campus team (UT Austin & Purdue) via GitHub Projects; ran weekly sprints, cut merge conflicts by **35%**, and secured faculty pilot agreements (UT Austin, Purdue) while initiating MIT outreach.

NeuroVision - 1st Place Best Research | *Python, PyTorch, EEGNet* — August 2024

- Engineered a hybrid CNN-GNN model, raising PhysioNet EEG accuracy **65% to 75%** while shrinking parameters **40%**.
- Led a 5-person team with Git-based workflow and faculty mentorship, cutting merge conflicts **50%** and delivering reproducible Jupyter notebooks.

Leadership Experience and Hackathons

Association for Computing Machinery | *Leadership, Research, Teamwork* — January 2024 – Present

- **ACM Research Director:** Increasing project-completion rate **25%** for **80+** researchers by introducing a two-stage proposal review and weekly stand-ups, which also doubled symposium turnout.
- **ACM Research Lead:** Led a 5 member team to a 1st-place NeuroVision win, boosting EEG accuracy **65% to 75%** with a reusable CNN-GNN pipeline now adopted by six other teams.

HackUTD Experience Coordinator | *Event & Workshop Design* — February 2025 – Present

- Designing Computer Vision and technical workshops for **1,500+** hackers at America's largest collegiate hackathon, raising project-completion **30%** and satisfaction **25%** through structured tutorials and hands-on support.

HackAI - CatchUp | *1st Place, Best Pitch* — March 2025

- Developed a Flask + GPT-4 RAG engine that parses transcript PDFs, cross-indexes **5** campus data sources, and returns personalized class, club, lab, and professor recommendations through an interactive "Professor Playground."

HackUNT - SecureCheck | *1st Place* — November 2024

- Built a tri-modal fraud-prevention suite (credit-card, email, voice) that cut false positives **35%** and secured **1st place in the Goldman Sachs track**.

Technical Skills

Languages: Python, Java, Swift, C/C++, SQL, JavaScript, HTML, CSS, Git
Frameworks & Libraries: React, React Native, Node.js, Flask, PyTorch, TensorFlow, Keras, Pandas, Polars, NumPy, scikit-learn, MatplotLib
Developer Tools: Git, GitHub, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse