

# SAHANA GANAPATHY

832-599-1970 | sahanagana@utexas.edu

Houston, TX | <http://www.linkedin.com/in/sahana-ganapathy> | <https://sahanagana.github.io>

## EDUCATION

---

**The University of Texas at Austin**, Austin, TX

May 2026

*Bachelor of Science, Computer Science*

GPA: 3.64

Relevant Coursework: Operating Systems, Computer Architecture, Data Structures and Algorithms, Statistics

## EXPERIENCE

---

**CODING INSTRUCTOR**, Pearland, TX

June 2022 - August 2023

*Code Ninjas*

- Wrote and taught course and summer camp curriculum aimed at 4-16 year olds and centered around Java, Python, C, robotics, game development, and programming fundamentals
- Helped install and configure necessary software, fixed issues/bugs when needed

## PROJECTS

---

- **PERSONAL PORTFOLIO WEBSITE**: Designed and created a personal website to display projects and thoughts.
- **AIR QUALITY DRONE**: Modified a drone to gather environmental data using Arduino hardware and C++.
- **PIPELINED SHELL**: Created a pipelined command interpreter in C.
- **MINIMAL OPERATING SYSTEM**: Designed and implemented a minimal operating system in C.
- **MUSIC GENERATOR**: Used prompt engineering to create an application that generates music from text.

## LEADERSHIP & COMMUNITY INVOLVEMENT

---

**ENGINEERING LEAD, HISTORIAN** Austin, TX

January 2023 - Present

*Engineering and Computational Learning of Artificial Intelligence in Robotics (ECLAIR)*

- Manages and leads a team focused on designing and implementing machine learning solutions to real world problems
- Communicated with up to 20 team members and coordinated meetings
- Fine-tuned a language model (Distil GPT) to identify emotions in song lyrics using NumPy/TensorFlow, utilizing Git and Jupyter notebooks

**LOGISTICS DIRECTOR** Austin, TX

January 2023 - Present

*Information and Systems Security Society (ISSS)*

- Organize company speaker talks, CTFs, and other cybersecurity related events for 100+ attendees
- Booked rooms and planned food for activities
- Oversaw financial operations and strategically allocated budgets

**TEAM MEMBER** Austin, TX

January 2024 - Present

*Hash Association of Student Hackers (HASH)*

- Represent UT internationally at the collegiate level cyber defense competition
- Utilizes skills such as network and packet analysis, firewall analysis, Wireshark, and Zeek

## HONORS AND AWARDS

---

- **CalPoly RvB Competition** - 1st place
- **Sandia National Labs TracerFIRE 12** - 1st place
- **National Cyber Scholarship Foundation** - Semifinalist
- **Congressional App Challenge** - 1st Place TX-14
- **Presidential Service Award** - Bronze
- **Science and Engineering Fair Houston** - Science Fair Scholar Award
- **NCWIT Aspirations in Computing** - Regional Affiliate Award

## ADDITIONAL SKILLS

---

**Technical /Computer Skills**: Proficient Java, Python, HTML, CSS, C, Git, Intermediate JavaScript, C++, Bash, Linux

**Languages**: Fluent Tamil, Intermediate Spanish