

## ROSHAN SREEDHAR

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### OBJECTIVE

Seeking to use my technical and problem-solving skills for a full-time or internship position in 2025.

### EDUCATION

**Texas A&M University**, College Station, Texas

May 2025

- Bachelor of Science in Computer Engineering, Cybersecurity & Math Minor

**Clear Brook High School**, Friendswood, Texas

May 2020

### PROFESSIONAL EXPERIENCE

**Electronics Intern, Chuo Electronic Works**

Jul-Aug 2024

- Wrote software using LabVIEW and Python
- Translated records and sales presentations from Japanese to English for foreign clients
- Operated cutting-edge research technology including SmartEDGE Measurement Device
- Conducted all communication in Japanese

**Software Engineering Intern, US Air Force**

May-Aug 2023

- Developed & tested flight simulation software with 76<sup>th</sup> Software Engineering Group at Tinker AFB
- Wrote code for mission planning, IT security, and navigation software for B2 Bomber and KC-46 aircraft

**Cybersecurity Intern, Intertrust Group**

Jun-Aug 2022

- Created framework for the adoption of zero-trust security strategy, including adoption of SOAR for incident response and application-layer VPN-less access
- Worked with IT security team to administer SIEM, email analysis, and network firewall
- Coordinated with security teams in offices around the globe, including London, Amsterdam, Bangalore
- Presented security solutions to Global IT Team lead

### CERTIFICATIONS

- CompTIA Security+ Jan 2024
  - Industry certification for cybersecurity professionals
  - Tests for expertise on Threats & Vulnerabilities, Security Architecture & Implementation, Incident Response, Governance & Risk Compliance

### SKILLS

- Advanced knowledge of cybersecurity: network management, cryptography, & risk compliance
- Malware Reverse Engineering – Static & Dynamic Analysis
- Python, C++, Java, Web Development, & Linux
- Autodesk CAD, ARMv8 & Verilog Assembly Programming
- Japanese Proficiency (JLPT N4 Certified)

### RESEARCH

Oct 2023-Present

- Co-authored study "Detecting & Analyzing Financial Fraud with Machine Learning"
- Developed ML models to detect indicators of fraudulent banking & credit card transactions from US, EU, and African banking data
- Pending submission to ArXiv

### ACTIVITIES

**NSA Codebreaker Challenge CTF**

2020,2021,2022,2023

- Competed in the NSA Codebreaker Challenge CTF as part of Texas A&M University
- Applied knowledge of networking, cryptography, software reverse engineering, & other cybersecurity concepts to solve challenges reflecting real-world work done by NSA employees; completed 3 tasks each time
- Write-ups & documentation available on GitHub

**TAMUHack Hackathon;**

Sep 2021, Jan 2022

2022: Developed a financial calculator website to calculate 401(k), student debt projections for users

2021: Developed Discord bot using python to play music, display song lyrics, recommend similar music

**Cybersecurity CTF Competitions:**

**MetaCTF**

Dec 3-5, 2021

**CCDC Hivestorm**

Oct 9-10 2021, Oct 15 2022, Oct 15 2023

**TAMUCTF**

Sep 18-19, 2021

**UTCTF**

Mar 11-13, 2022

**National Cyber League 2022 Season**

Apr 9-27, 2022

**Texas A&M University Cybersecurity Club**

Sep 2020 – Present

*CTF Development Team*

- Community dedicated to organizing cybersecurity competitions & fostering learning environment
- Met weekly with team, hosted events with major employers such as RedHat, IBM, Accenture, NSA.

### SERVICE

**MUD 148 District Hurricane Relief Project, Houston**

- Helped plan, direct relief effort for districts affected by Hurricane Harvey
- Collected, organized, & delivered supplies to affected households

### OTHER

- Obtained federal government security clearance

Apr 2023