

ADEN TESSMAN

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Post-Secondary and Career Goals

My primary career goal is to pursue a position as a Cybersecurity Architect or Artificial Intelligence Engineer. I plan to deepen my knowledge in both fields through targeted coursework and hands-on projects, focusing on network security, threat analysis, and machine learning. By gaining practical experience through internships, I aim to develop innovative solutions that protect sensitive data while ensuring compliance with industry standards. I envision integrating AI with cybersecurity to enhance system resilience against evolving threats. Ultimately, I aspire to lead advancements that contribute to a safer digital landscape.

Education

Tarleton State University <i>Pursuing Bachelor of Science, Computer Science (Software Engineering)</i>	2022 – 2026
Tarleton State University <i>Pursuing Bachelor of Science, Cybersecurity</i>	2022 – 2026

Achievements

President's List (2022-present), Valedictorian, Class of 2022 (Rio Vista High School), Buddy Bostick Foundation Scholarship Recipient, Marti Foundation Scholarship Recipient

Projects and Extracurriculars

Machine Intelligence and Security Research Lab <i>Tarleton State University</i>	Summer 2024 – Present <i>Supervisor: Dr. Thejas Gubbi Sadashiva, Dept. CSEE</i>
<ul style="list-style-type: none">Project Title: Smarter Sampling for Safer Inboxes: Enhancing Phishing Email Detection with DistilBertRole: Head Researcher/ Team LeadImplementing and comparing multiple sampling methods, including oversampling, undersampling, SMOTE, ADASYN, and K-SMOTE, to optimize model performance and mitigate class imbalance.Utilized advanced techniques such as statistical modeling, data analysis, and software like PythonCollaborated with peers to develop comprehensive documentation of methodologies and findings, enhancing knowledge sharing and reproducibility of results.	
Tarleton Computer Society — Role: President <i>Tarleton State University</i>	Spring 2025 – Present <i>Supervisor: Joseph Meier, Dept. CSEE</i>
<ul style="list-style-type: none">Revived and revitalized the dormant Computer Society Club, increasing active membership by 1200% within the first semester.Organized and led regular meetings, workshops, and events, including coding challenges, guest speaker sessions, and hackathons, to foster collaboration and learning among Computer Science students.	

Previous Work Experience

Therapy Tech <i>201 N Ridgeway Dr, Cleburne, TX 76033</i>	2020– Present <i>(817) 641-9700</i>
<ul style="list-style-type: none">Developed strong time management skills by effectively prioritizing and engaging with multiple patients simultaneouslyDemonstrated flexibility in responding to client needs, reflecting an ability to quickly learn new technologies and adjust to changing treatment requirements.	
Lab Instructor <i>207 St Peter St, Stephenville, TX 76401</i>	2025– Present <i>(254) 960-9863</i>
<ul style="list-style-type: none">Instructed undergraduate students in hands-on laboratory sessions, reinforcing lecture concepts through practical application. Utilized tools such as C and MSSQL to demonstrate real-world DBMS concepts and applications.Evaluated lab assignments, projects, and homeworks, providing feedback to help students improve technical proficiency.	

Research Showcase

RIED Research Symposium 2025 <i>Tarleton State University, Stephenville, TX, 76402</i>	March 4th– 2025
<ul style="list-style-type: none">Project Title: Exploring Sampling Methods for Enhancing Phishing Email Detection Using Large Language Models	
MCOE Student Project Showcase 2025 <i>Tarleton State University, Stephenville, TX, 76402</i>	May 2nd– 2025
<ul style="list-style-type: none">Project Title: Smarter Sampling for Safer Inboxes: Enhancing Phishing Email Detection with DistilBert	

Languages and OS

- Operating Systems: Windows 10, Windows 11, Ubuntu, CentOS
- Languages: C, C++, Java, Python, SQL, JavaScript