

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 — GPA: 4.0 **2022 – 2026**
Pursuing Bachelor of Science, Computer Science (Software Engineering)
Tarleton State University — GPA: 4.0 **2022 – 2026**
Pursuing Bachelor of Science, Cybersecurity

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 **Summer 2024 – Present**
Tarleton State University *Supervisor: Dr. Thejas Gubbi Sadashiva, Dept. CSEE*

- Project Title: Smarter Sampling for Safer Inboxes: Enhancing Phishing Email Detection with DistilBert
- Role: Head Researcher/ Team Lead
- Implementing 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 Python
- Collaborated with peers to develop comprehensive documentation of methodologies and findings, enhancing knowledge sharing and reproducibility of results.

Tarleton Computer Society — Role: President **Spring 2025 – Present**
Tarleton State University *Supervisor: Joseph Meier, Dept. CSEE*

- 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 **2020– Present**
201 N Ridgeway Dr, Cleburne, TX 76033 *(817) 641-9700*

- Developed strong time management skills by effectively prioritizing and engaging with multiple patients simultaneously
- Demonstrated flexibility in responding to client needs, reflecting an ability to quickly learn new technologies and adjust to changing treatment requirements.

Lab Instructor **2025– Present**
207 St Peter St, Stephenville, TX 76401 *(254) 960-9863*

- 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 **March 4th– 2025**
Tarleton State University, Stephenville, TX, 76402

- Project Title: Exploring Sampling Methods for Enhancing Phishing Email Detection Using Large Language Models

MCOE Student Project Showcase 2025 **May 2nd– 2025**
Tarleton State University, Stephenville, TX, 76402

- 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