

Varshitha Gogineni

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## Education

Master of Science in Information Science

University of North Texas, Denton, TX | GPA: 4.0 | Graduation: May 2026

Relevant Coursework: Data Modeling, Systems Design, Web Development, Visualization

## Technical Skills

â€ Programming & Development: Python, SQL, React, TypeScript, HTML5, Tailwind CSS, Vue.js, RESTful APIs, C

â€ AI & Machine Learning: Deep Learning, CNNs, RAG, Anomaly Detection, Whisper STT, Computer Vision

â€ Software Engineering: Component-Based Architecture, Agile, CI/CD, Accessibility, Performance Optimization

â€ Tools & Platforms: Supabase, n8n, RapidMiner

â€ Core Strengths: Problem Solving, Team Collaboration, Communication, Continuous Learning

## Professional Experience

Teaching Assistant â University of North Texas | Dec 2024 â Present

â Assist faculty by addressing student academic and technical queries during class and office hours.

â Manage course technology including software setup, secure access (BitLocker), and troubleshooting.

â Monitor and resolve student support tickets and emails with clear, timely responses.

â Collaborating on a Voice AI project to automate responses to course FAQs, improving accessibility.

## Projects & Research

Dallas AI Summit â Presenter | Summer 2025

â Selected among the Top 15 projects and presented VoiceFit to AI professionals and industry leaders.

â Showcased real-time voice-to-text fitness tracking and automation workflows using OpenAI Whisper + Supabase.

â Engaged in professional feedback sessions with AI leaders on deployment and scalability.

VoiceFit â Voice-Controlled Fitness Tracker | Jul 2025 â Aug 2025

â Built a mobile-first PWA using React, TypeScript, Tailwind CSS, and Whisper STT.

â Designed accessible UI and real-time workout tracking with offline support.

â Automated workflows in n8n and integrated live dashboards for progress tracking.

Deepfake Image Forgery Detection | Jan 2023 â Mar 2023

â Developed a CNN model with 92.23% accuracy for detecting tampered images under compression.

Vehicle Maintenance Tracker | Mar 2025 â May 2025

â Designed role-based frontend forms for service logs and parts tracking.

â Integrated RESTful APIs with alert systems and dashboards for real-time monitoring.