

EDUCATION

University of Texas at Tyler <i>Master of Science in Computer Science (GPA: 3.83/4.00)</i>	Tyler, TX Aug 2024 – Present
Amrita Vishwa Vidyapeetham <i>Bachelor of Technology in Electrical and Electronics (GPA: 7.37/10.00)</i>	Coimbatore, India June 2018 – June 2022

EXPERIENCE

Information Technology Student Associate (Intern) <i>The University of Texas System</i>	June 2025 – Present Austin, TX
<ul style="list-style-type: none">Contributing to the development of Private AI solutions for the University of Texas at Tyler, focusing on secure LLM deployment for internal use.Designing and implementing a Power BI dashboard to visualize key institutional metrics, integrating Power Automate for dynamic data updates.	
Graduate Research Assistant <i>University of Texas at Tyler</i>	Sept 2024 – Apr 2025 Tyler, TX
<ul style="list-style-type: none">Deployed a state-machine workflow for a VR-based conversational LLM chatbot using Unity3D, enabling structured interactions in a virtual environment.Integrated an LLM-driven role-playing system into a Unity3D application with a 3D avatar, combining Speech-to-Text (OpenAI Whisper), Text-to-Speech (AWS Polly), and LipSync for conversational simulation.	
AppyHigh Technology <i>Software Development Engineer 2</i>	Gurgaon, India Aug 2023 – Apr 2024
<ul style="list-style-type: none">Built Pixel Go, an AI-based photo/video enhancer using a YOLO model for efficient on-device object detection.Developed a reusable Flutter AI Avatar module, integrated into multiple production apps.	
<i>Software Development Engineer 1</i>	Jul 2022 – Jul 2023
<ul style="list-style-type: none">Led development of Scanner Go (10M+ downloads), a Flutter app with live document edge detection.Maintained a 99.5% crash-free rate through comprehensive error handling and crash debugging via Firebase.	
<i>Flutter Development Intern</i>	May 2021 – June 2022
<ul style="list-style-type: none">Built core features for Like Karo, a short video app with in-app recording and AR filters.Integrated real-time camera view and AR face effects using Tencent Effects SDK.	

PROJECTS

MonkeyTalk — Hack_NCState 2025 <i>Swift, Python, LangChain, PyTorch, Ollama</i>
<ul style="list-style-type: none">Built a private journaling app that transcribes audio logs into structured daily entries and uses a local LLM with RAG (Ollama + LangChain) to generate personalized habit improvement suggestions.
Watchdog — ShellHacks 2024 Winner <i>Python, OpenCV, Gemini, Flutter, Firebase</i>
<ul style="list-style-type: none">Won the MLH - Best Use of Auth0 by Okta at ShellHacks 2024 (FIU) for developing a real-time suspicious activity detection system using OpenCV and LLM-based transcription with a Flutter web dashboard.
ChillBot — UT Tyler ACM Hackathon 2025 Winner <i>Python, Flutter, Firebase, Google Vision</i>
<ul style="list-style-type: none">Won 1st Place at the 2025 ACM Hackathon conducted at UT Tyler for creating a smart fridge food tracker that identifies items with Google Vision, tracks expiration, and generates recipe suggestions via Firebase backend.

TECHNICAL SKILLS

Languages: Java, Python, Dart, Kotlin, Swift, C#, Javascript

Tools & Platforms: Flutter, Android, iOS, React, Git, LangChain, PyTorch, Firebase