

EDUCATION

The University of Texas at Austin	Electrical and Computer Engineering, Software Engineering Track	May 2025
Obra D. Tompkins High School	STEM Endorsement	May 2022

EXPERIENCE

- Lockheed Martin - Software Engineer Intern** June 2021 - Present
- Digital Academy Team - Enterprise Operations (July 2021 - May 2022)*
- Worked with a team of software developers to build and maintain internal software applications that impact over 30,000 employees
 - Developed functionalities on the Digital Academy and Talent Factory Platform and fixed bugs on the OWL Platform
 - Learned Agile Workflow with Jira and SCRUM
 - Skills: Angular.js, TypeScript, Node.js, Git, AWS Lambda/Sam, and MongoDB
- Plus Plus Team - Rotary and Mission Systems (May 2022 - August 2022)*
- Developed iOS iPad application in Unity to simulate flight controllable by users in AR
 - Used Advanced Visualization to create Unity application that automatically generates new UI interactive content after build based on local JSON file or database
 - Skills: Software Design · Unity · C# · Augmented Reality (AR)
- Overhead Door Company - Software Engineer Intern** June 2023 - August 2023
- Developed an AWS app to send communication/operational emails and SMS notifications when users appear offline for long periods of time
 - Increased online users and engaged with the customers across multiple messaging channels
 - Applied abandoned cart scenario to abandoned wifi, offline, battery, software update, platform update, maintenance
 - Implemented OAuth in web app through Next.js
 - Mainly worked on authorizing code grants from Auth Server to Application
 - Skills: AWS Pinpoint/Amplify, Next.js, React, HTML/CSS, Git, OAuth
- Autonomous Mobile Robotics Laboratory (AMRL) - Undergraduate Research Assistant** Mar 2023 - June 2023
- Performed research under Prof. Joydeep Biswas in robotics to continually make robots more autonomous, accurate, robust, and efficient, in real-world unstructured environments
 - Added autonomous capabilities to our pre-existing robot, Spot, so that it can serve as a possible tour guide for incoming freshman within campus
 - Spot is used for research on campus-scale long-term autonomy at UT and is equipped with LIDAR, a multi-directional suite of cameras, and is able to traverse terrain that is probative to wheeled robots
 - Skills: Machine Learning, AI, Python, Neural Networks, Git

PROJECTS

Github: <https://github.com/LakshyaGupta>

Devpost: <https://devpost.com/lakshyaguptamail>

- Volassis Automated Volunteer System - Mentor: Prof. Vouga, CS@UT Austin** January 2020 - June 2020
- Mobile application to automate volunteer management (check-in/check-out, track hours, approve/claim hours, find volunteer opportunities), and automate volunteer workflow for organizations
 - Cross-platform mobile app with ReactNative for the frontend and Java and MySQL on AWS as the backend
 - Launched on Apple App Store and Google Play Store
 - App link: <https://apps.apple.com/us/app/volassis/id1556276650>

LEADERSHIP EXPERIENCE AND ACTIVITIES

Texas Aerial Robotics (TAR) - Communications and Sensors Engineer September 2022 - November 2022

ADDITIONAL INFORMATION

Certifications: Oracle Java Foundations Certification (2020), CS50 Certificate App Development React Native (2020), CS50 Certificate Artificial Intelligence with Python (2020)

Languages: English, Spanish, Hindi, Urdu

Work Eligibility: Eligible to work in the U.S. with no restrictions