LAKSHYA GUPTA

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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