

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		May 2022

EXPERIENCE

Lockheed Martin - Software Engineer Intern	June 2021 - Present
<i>Digital Academy Team - Enterprise Operations (July 2021 - May 2022)</i>	
<ul style="list-style-type: none">Worked with a team of software developers to build and maintain internal software applications that impact over 30,000 employeesPrimarily used Angular.js, TypeScript, Node.js, Git, AWS Lambda/Sam and MongoDBLearned about web technologies and machine learning taught by Lockheed Martin employeesDeveloped functionalities on the Digital Academy and Talent Factory Platform and fixed bugs on the OWL PlatformLearned Agile Workflow with Jira and SCRUM	
<i>Plus Plus Team - Rotary and Mission Systems (May 2022 - August 2022)</i>	
<ul style="list-style-type: none">Developed iOS iPad application in Unity to simulate flight controllable by user in ARUsed Advanced Visualization to create Unity application that automatically generates new UI interactive content after build based on local JSON file or databaseCreated JSON data scenarios to test the reliability of softwareDebugged and analyzed code to find solutions and perform optimizationsParticipated in and led design reviews with peers and stakeholders to decide amongst available technologies, UI design, and project timelineSkills: Software Design · Unity · C# · Augmented Reality (AR)	
Fountain Financial LLC - AI/GAN Developer	June 2020 - August 2020
<ul style="list-style-type: none">Developed an AI model using Python with numpy and pandas libraries that would predict the future return rates of different stocks based on historical dataDeveloped Python API and web-based platform for users to determine which stocks to invest intoStored future stock data into MongoDB and retrieved data using Tiingo API	

PROJECTS

Volassis Automated Volunteer System - Mentor: Prof. Vouga, CS@UT Austin	January 2020 - Present
<ul style="list-style-type: none">Mobile application to automate volunteer management (check-in/check-out, track hours, approve/claim hours, find volunteer opportunities), and automate volunteer workflow for organizationsCross-platform mobile app with ReactNative for the frontend and Java and MySQL on AWS as backendLaunched on Apple App Store and Google Play StoreCurrently has 105 users and 12 organizationsApp 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
Texas Blockchain - Marketing Team Lead	September 2022 - Present

ADDITIONAL INFORMATION

Computer Skills:

Languages: HTML, JS, Java, Angular, CSS, SQL, Python, PHP, C++, C Sharp, Swift, MySQL, T-SQL, MongoDB, Ruby, ReactNative, Wix Code/Corvid, TensorFlow, Keras, Processing.js, Node.js, Typescript, Swift, Magenta, Scratch

Tools: AWS Sam/Lambda/EB, Jira, Agile Workflow (SCRUMs), RESTful API, MATLAB, GANs, Expo, Cocoa, Spring Boot, Maven, Raspberry Pi, Arduino, Github, Git Bash, Google Colab, Wix, WordPress, MS Word, MS Excel, Powerpoint

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

Languages: English, Spanish, Hindi

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