

EDUCATION AND CERTIFICATIONS

Richardson, Texas	University of Texas at Dallas	August 2020 – May 2025
<ul style="list-style-type: none">M.S. in Computer Engineering – Applied Machine Learning (Fast Track Admit)B.S in Computer Engineering – Dean’s List, Spring 2021 – Spring 2022		GPA: 3.81 May 2024

Certifications

Agile Foundations Class (AFC-AICI) Certified by Agile International Coaching Institute	July 2023
Midas Safety Platform Certified by Cadence	November 2023
Design for Test Fundamentals v4.0 Certified by Cadence	November 2023
Cloud Practitioner Certified by Amazon Web Services	December 2023

SKILLS

Languages	Java, JavaScript/HTML/CSS, Typescript, Python, C/C++, GraphQL
Frameworks and Libraries	React.js, React Native, Node.js, Redux
Tools	Git, AWS (Amplify, DynamoDB, CloudFormation and more), Azure DevOps, CI/CD, JIRA

EMPLOYMENT

Software Engineer, Intern	Southern Glazer’s Wine & Spirits – Richardson, TX	Summer 2023
<ul style="list-style-type: none">Successfully earned the AFC-AICI certification, showcasing proficiency in Agile Methodology.Played an active role in 4 development cycles between inception and release and collaborated in 2 impactful demos, gaining valuable insights into the life cycle of front-end components using Salesforce.Effectively utilized sandbox environments for precise debugging, identifying, resolving 15+ issues via regression, API and validation testing in Tosca and Jenkins platforms.Conducted thorough research and consolidated 3 use cases for Sentiment Analysis, outlining the implementation of a system for elevated marketing through demographic clustering and 80% swifter resolution of system-wide challenges.		

Co-Founder, Software

Engineer	Hidden Gems	Fall 2023 - Present
<ul style="list-style-type: none">Collaborated with a team of 5 to develop a Typescript and React Native Mobile App featuring an intuitive interface utilizing Figma, AWS Services, StyleSheet, Redux, Web DevTools, and other external libraries.Led a team in a scrum-based sprint cycle to implement a search bar feature with Redux via REST API, enhancing user convenience and reducing data retrieval times by 80%.Expanded app capabilities for corporate clients by enabling catering menu queries and user order creation, utilizing Redux and Amplify Datastore. This enhancement led to a 30% increase in corporate user adoption.		

PROJECTS

Motherboard Identification

UTDesign Expo 1st Place

- Designed and developed an automated motherboard identification program with a 7-person team by utilizing YOLO v8, Pylibdmtx, and **Tesseract OCR**, ensuring accuracy and efficiency.
- Implemented text with image preprocessing via **OpenCV** and Tesseract OCR and barcode recognition utilizing Pylibdmtx to process and decode 2D Data Matrices, improving accuracy to 100%.
- Led the integration of Object and Barcode Recognition integration with mount-camera deployment, ensuring project efficiency and timeliness.

Sponsored by Dr. Lakshman Tamil

- ## LEADERSHIP

Spring 2022 - Present

Recording Secretary

- ### Spring 2022 - Present

Forge Computer Engineering Project Manager

- Project Team Member*

- ### ADDITIONAL INFORMATION

English, Conversational Nepali, Conversational Hindi

Eligible to work in the U.S. with no restrictions