# Om Muley

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## EDUCATION

**Texas Tech University**, Lubbock, Texas — Expected Graduation: May 2026
*BS Computer Science|Minor in Business* — GPA:3.2

## TECHNICAL SKILLS

- **Programming Languages**: Python, Java, C, C ++, HTML, CSS, JavaScript, SQL
- **Frameworks and Technologies**: Angular, Git, MongoDB, Open API Automation, GCP, React.js

## WORK EXPERIENCE

**Texas Tech University** — May 2024 – Aug 2024
***Software Engineer Intern***

- Developed a web application using SvelteKit to assist toddler in learning proper word pronunciation.
- Integrated Google Translation API for real-time pronunciation guidance.
- Implemented progress tracking features using Firebase for real-time database management, storing user progress data such as word mastery levels, frequency of practice, and error patterns.
- Utilized Chart.js to visualize progress data, providing users with insights into their learning journey and areas for improvement.
- Applied machine learning with TensorFlow.js to tailor suggestions, enhancing individual learning outcomes by 18%
- Collaborated with psychologists and educators to ensure the app's features align with effective learning strategies.

**Texas Tech Writing Center** — Apr 2023 – Jun 2023
***Full-Stack Web Developer***

- Designed and developed the website for the Texas Tech's writing center using Java and Angular to improve accessibility for people with special needs.
- Improved accessibility, helping over 13% of students on campus more easily access the proper tools.
- Led a team of 8 people, developing both the front-end and back-end of the web app to ensure a seamless user experience.

## PROJECTS

**Privacy Poll – Hack West Tx Winning Project** — Sept 2023

- Developed PrivacyPoll, a Blockchain-based voting system using Zero-Knowledge Proofs for anonymity and fraud prevention, with built-in auditability for voters.
- Demonstrated strong database management skills, including table creation, SQL query execution, and error handling.
- Prioritized security with unique vote IDs and robust blockchain functionality.
- Led a team of four as Team Lead, overseeing front-end development with React.js and Web3.js for dynamic user interfaces integrated with blockchain features.

**Urban Forecast: Machine Learning for Real Estate Sales** — Nov 2022

- Spearheaded a machine learning project focused on predicting residential real estate sales in Bristol using Support Vector Machine (SVM) models. Employed Python, Pandas, NumPy, and Scikit-learn for data analysis, model training, and evaluation.
- Successfully analyzed 20 years of Bristol real estate data (2001-2020), identified key trends, and trained an SVM model to deliver accurate market predictions for buyers and sellers.
- Developed a robust tool for forecasting real estate sales outcomes, contributing to informed decision-making. Utilized data visualization techniques to enhance data understanding and model performance evaluation.

## ACHIEVEMENTS

**HackWesTX 2023 – 2nd Place**

- Secured 2nd place in West Texas's biggest MLH-sponsored hackathon, competing against 150+ participants. Successfully launched PrivacyPoll.com, meeting all project milestones.