TAYOUTH MALLA

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ACADEMIC QUALIFICATION

Masters in Advanced Data Analytics, *University of North Texas, Jan 2024 – Present.*
Teaching Assistant, *Bachelor of Applied Arts and Sciences, University of North Texas, Aug 2024 – Present.*
Graduate Assistant, *North Texas NOW, University of North Texas, Jan 2025 – Present.*

Bachelor of Science in Computer Science and Information Technology, *Deerwalk Institute of Technology, Tribhuvan University, Nov 2017 – Dec 2021, Percentage 72.29%*

WORK EXPERIENCE

OIIKA INC.   Remote
Frontend Engineer   Oct, 21 - Mar, 22
Implemented the user interface of a website to connect local food safety-certified cooks with an online marketplace to connect with customers in their community and sell homemade dishes, along with optimizing the website's performance.

DEERWALK GROUPS   Dec, 19 - Aug, 21
Web Developer Intern
Built and designed internal applications for the college as well as their school. Worked on maintaining various internal applications that were built previously. Worked on the documentation of the web applications, created CI/CD pipelines, and mentored recently hired interns to hand over the project to update and manage them.

DEERWALK GROUPS   Nov, 18 -Dec, 19
Creative Designer Intern
Various internal graphic designs and videos of and for college events were prepared and designed. Deerwalk Learning Center's flipped classes were recorded and edited. Additionally, produced creative videos of different school events.

LEADERSHIP

EDU TECH NEPAL   Remote
Teaching Fellowship   Oct, 21 - Mar, 22
Created and implemented strategies to help students develop their skills in logical thinking and problem-solving. Developed lesson plans for their better understanding. Collaborated with other teachers to support students in their academic and technical development by encouraging them to tackle real-world problems. Also provided guidance and assistance to local teachers on using software and hardware tools.

DEERWALK INSTITUTE OF TECHNOLOGY   Mar, 2018 -
DWIT News and Media Team, Vice President   May, 2019

Organized events and activities related to media, such as film screenings, photography competitions, etc. Developed and implemented a budget for the club, along with organizing workshops and training sessions for members. Serving as a liaison between the club and the administration, I represented the club at meetings and events.

DWIT NEWS   Oct, 2017 -
Reporter   Jun, 2018

Collaborated with other members of the club, including editors and videographers, to produce well-rounded news coverage. Wrote articles, news stories, and features on its own online web application. Attended events and meetings to gather information and take notes on potential stories that are happening on campus.

TECHNICAL PROJECTS

Title: <u>*Notify Deerwalker*</u>
Duration: *Aug 2019 - Feb 2020*
Team Size: *Individual Project*
Brief Description: *Notify Deerwalker is a mobile application built using web scraping technology (Beautiful Soup) and the Flutter library to display and notify students about the assignments or notices uploaded by their respective teachers or professors with the help of the Firebase Database.*
Responsibilities: *Create a mobile app to scrape data from the college's classroom site and notify students if any changes are found in the database.*

Title: <u>*Fitness App*</u>
Duration: *Sep 2019 - April 2021*
Team Size: *Individual Project*
Brief Description: *A system that uses technology and sports science to assist users in maintaining a healthy lifestyle by measuring steps, food intake, calories, and mental wellness using Flutter and Firebase.*
Responsibilities*: Implementing sports nutrition in a mobile app by researching the effects of technology on dietary habits and creating a single mobile app to track their daily behaviors.*

Title: <u>*Offline Answer Sheet Submission Mobile App*</u>
Duration: *July 2021 – April 2022*
Team Size: *Individual Project*
Brief Description: *A hybrid app—both mobile and web in which the web portal was for the teachers and administrators, while the mobile application was for the students to perform CRUD operations on question papers as well as answer sheets without the need for a valid internet connection. The web app was built using React and Web3j, along with Blockchain technologies like Solidity, Metamask, and Ethereum. The mobile app was built using Flutter and Firebase, communicating with the RESTful API built using Spring Boot (Java) and Twilio SMS as PaaS.*
Responsibilities: *To build a decentralized application to submit answer sheets offline with the help of SMS, codec, and hashing algorithms.*

TECHNICAL SKILLS

JavaScript, React.js, Next.js, React Native, Laravel, Intertia.js, Flutter, Firebase, C/C++, Git, Vercel, Node.js, Nest.js.

CO-CURRICULAR ACTIVITIES

Flutter Mobile Application Development Workshop, MERN Workshop, IOT Workshop.

EXTRACURRICULAR ACTIVITIES

- *Winner of the 2017 Intra-College Futsal Tournament.*
- *First runner-up of 2020 Intra-College Basketball Tournament*
- *Volunteered at the yearly IT4D conference conducted by the college administration.*