TAYOUTH MALLA

tayouthmalla@gmail.com | tayouthmalla.com.np | Phone: 940-623-9923 | Denton, TX, 76207

EDUCATION

Masters in Advanced Data Analytics

University of North Texas, Denton, Texas, USA (01/2024 – Present)

Bachelor's in Computer Science and Information Technology

Deerwalk Institute of Technology, Siphal, Kathmandu, Nepal (09/2017- 08/2021)

SKILLS

Programming Language: Python, Java, JavaScript, Reactjs, C/C++, PHP, Tailwind, SQL (MySQL, Postgres)

Framework and Tools: React Native, Next.js, Laravel, Intertia.js, Flutter, Firebase, Node.js, Nest.js, Tableau, Power BI, Pandas, Numpy, Scikit-Learn, Matplotlib

Cloud/DevOps: Docker, Git, CI/CD, Vercel, AWS Services, Google Cloud Platform

WORK EXPERIENCE

North Texas Now: **Graduate Assistant** | Denton, TX (01/2025 – Present)

- Support dual credit initiatives by analyzing over 250 student program data and applying research insights to improve student outcomes.

College of Applied & Collaborative Studies: **Teaching Assistant** | Denton, TX (08/2024 – Present)

- Facilitate BAAS curriculum delivery and student learning to over 300 students through academic support and guidance in data analysis and civic engagement increasing their participation in courses by 15%.

OLIKA Inc.: **Frontend Engineer** | Remote (10/2022 – 03/2022)

- Implemented the user interface of a website to connect local food safety-certified cooks with an online marketplace to connect with customers in the community and sell homemade dishes, along with optimizing the website's performance.

Deerwalk Groups Web: **Developer Intern** | Kathmandu, Nepal (12/2019 – 08/2021)

- Created CI/CD pipelines leading to a reduction of deployment times from hours to minutes; streamlined processes enabled faster updates with zero downtime during critical operational periods.

LEADERSHIP

Edu Tech Nepal: **Teaching Fellowship** (10/2021 – 03/2022)

- Conducted hands-on workshops for local teachers and students demonstrating effective use of software tools, achieving an increase in classroom technology integration across six different subjects through peer-to-peer support initiatives.

DWIT News and Media Team: **Vice President** (03/2018 – 05/2019)

- Facilitated bi-monthly meetings with 10+ members to discuss event planning techniques, resulting in actionable insights that increased overall event engagement by 20% and enhanced the effectiveness of future organizational initiatives.

PROJECTS

Notify Deerwalker

- Built Notify Deerwalker using Flutter, Firebase, and Beautiful Soup, enabling real-time alerts and reducing missed student notifications by 40%.

Fitness App

- Prepared a full-featured health tracking app on the Flutter platform utilizing Firebase backend services; enabled personalized insights into fitness routines by integrating over 10000 data points from active user engagements.

Offline Answer Sheet Submission Mobile App

- Produced and implemented an innovative educational tool using React, Web3j, Flutter, and Firebase technologies; streamlined assignment management for educators leading to a notable increase in student engagement by tracking usage pattern which resulted 30% increase in student awareness along-side with their engagement.