

Kushal Panthi

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Education

University of North Texas, Denton, Texas	2023–2025
Bachelor of Science in Computer Science	GPA: 4.0/4.0
Relevant coursework includes Machine Learning, Natural Language Processing, Algorithms, Computer Networks, Databases, System Administration, and Statistics.	
McLennan Community College, Waco, Texas	2021–2023
Associate Degree in CIS / Application Development	GPA: 3.87/4.0

Technical Skills

Languages: Python, C++, JavaScript, HTML, CSS, Structured Query Language, Bash, Java
Frameworks & Libraries: React.js, Node.js, Express.js, Flask, Django, FastAPI
Databases: PostgreSQL, SQL, Firebase Firestore
Tools: Git, Docker, Linux, Vercel, Figma, Firebase Console, REST APIs

Professional Experience

Student Assistant , University of North Texas, Denton, Texas	Jan 2025 – Aug 2025
Worked closely with faculty to support over 45 students in a software engineering course. Assisted in debugging software projects, troubleshooting technical issues, and clarifying core computer science concepts.	
Undergraduate Research Assistant , University of North Texas, Denton, Texas	2024 – 2025
Set up student coding environments on University of North Texas servers using terminal and Notepad++ for C and C++ programming. Tasks also included configuring university VPN and using SFTP over shell access.	
UI Design Intern , Khasokhas, Queens, New York	2023 – 2024
Redesigned the front-end interface of a major online Nepali-American newspaper using WordPress, leveraging HTML for semantic structure, CSS for responsive and accessible layouts, and JavaScript for dynamic interactions. Enhanced usability and visual appeal, resulting in a 25% boost in user engagement and an increase of 1–2K monthly readers.	

Projects

Fake News Detection and Summarization [github.com/Panthi2001/NaturalLanguage]
Analyzed news content using statistical and classification techniques to distinguish fake and real news. Utilized deep learning models such as BERT for classification and BART for summarization to enhance the detection and understanding of misinformation.
Command Line Interface Helper Tool [github.com/Panthi2001/cli_query]
Developed a Bash-based terminal assistant that uses the OpenAI API to provide AI-generated solutions for shell queries. Integrated additional tools including real-time weather updates from wttr.in and also support other system commands.
Shop Simplify – Full-Stack E-Commerce Platform [shop-simplify.vercel.app]
Designed and deployed a scalable online marketplace supporting over one hundred concurrent users using React for the front end, Node.js for server logic, and Firebase for real-time database and authentication. Implemented an administrative dashboard using embedded JavaScript templates to manage users, listings, and reports securely.

Certifications, Leadership and Achievements

- **Mentored students in Computer Science Club** on C, C++, Git, and career planning
- **Occupational Skills Award** from McLennan Community College
- **Python Data Structures** (University of Michigan, Coursera)
- **JavaScript Essential Training** (LinkedIn Learning).