

Kushal Panthi

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Education

University of North Texas

Bachelor of Engineering in Computer Science

Denton, TX

Expected: May 2025

Professional Experience

Receptionist, Northern Kentucky University

2021–2022

- Provided efficient customer support, meeting performance metrics.
- Worked collaboratively with the customer care team to improve service quality.

Undergrad Research Assistant, University of North Texas

2024–Present

- Provided one-on-one assistance to students in coding and C++.
- Acted as a liaison between professors and students, ensuring clear communication and effectively addressing students' academic concerns.

Projects

Debit and Credit Card Validation

- Developed a C++ algorithm for card validation and type detection (VISA, AmEx, etc.).

Student Management System

- Implemented CRUD operations using Binary Search Trees and Linked Lists in C++.

Custom Linux Shell

- Designed a lightweight Linux shell that supports path handling and I/O redirection.

E-commerce Web Application

- Building a secure marketplace using React, FastAPI, PostgreSQL with features such as messaging and secure transactions.

Technical Skills

Languages: C++, Python, JavaScript, HTML, CSS

Databases: PostgreSQL, SQLite

Frameworks: React, FastAPI, Django

Operating Systems: Windows, Linux, macOS

Tools: Microsoft Office, Adobe Suite

Certifications and Awards

- Python Data Structures (Coursera)
- Occupational Skills Award for Application Development (McLennan Community College)
- JavaScript Essential Training (LinkedIn Learning)

Eligibility: (USPR) Eligible to work in the U.S. 36 months (STEM only) without sponsorship.