

DIKXANT BHANDARI

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EDUCATION

University of North Texas

B.S. in Computer Science (*Transferred in Fall 2025*)

Denton, TX

May 2028 (Expected)

- **Relevant Coursework:** Foundations of Data Structures I, Visual Scripting for Games

Caldwell University

B.S. in Computer Science

Caldwell, NJ

Aug. 2024 – May 2025

- **Cumulative GPA:** 3.77 / 4.00 (Dean's List)
- **Relevant Coursework:** UI/UX Design

PROJECTS

kozi.REST – AI-Powered Sleep Tracking Device | *Hardware & Frontend Developer* HackUTA 2025

- Built an AI-based bedside companion on Raspberry Pi to track movement and room conditions using CCS811 and ultrasonic sensors.
- Developed a real-time Node.js + Tailwind + Chart.js dashboard with AI-generated morning voice reports via ElevenLabs.

RunSafe – AI Health & Air Quality App | *Frontend Developer* HackRice 15 2025

- Created a React + Tailwind web app visualizing real-time AQI and route safety using Google Maps, AirNow, and OpenAQ APIs.
- Implemented live charts, route comparison, and health-based guidance to help runners choose cleaner, safer paths.

Baymax – AI-Powered Mental Health Assistant | *Frontend Developer* HackDartmouth X 2025

- Built a full-stack platform combining facial emotion and voice-tone analysis with GPT-based therapy conversations.
- Led React frontend development and integrated a secure Node.js + Express backend for chat, dashboards, and mood tracking.

Project Dristi - Smart Cane & Assistive App | *Hardware & Software Developer* HackPrinceton 2025

- Engineered a low-cost smart cane using Raspberry Pi, ultrasonic sensors, and GPS for obstacle detection and feedback.
- Integrated a Flask + React companion app with Google Maps API and Gemini AI for voice guidance, SOS alerts, and tracking.

WORK & LEADERSHIP

Software Engineering Intern

Aug. 2023 – Jul. 2024

Moksha Enterprises

Birendranagar, Nepal

- Contributed to the development of web and mobile applications related to geomatics and spatial data solutions, supporting mapping, data visualization, and location-based features.
- Supported front-end and application logic development, debugged issues, and collaborated with engineers to enhance reliability and user experience.

Library Assistant

Aug. 2022 – Aug. 2023

Capital College and Research Center (CCRC)

Kathmandu, Nepal

- Assisted students and faculty with circulation, catalog searches, and maintaining study spaces.
- Delivered consistent, friendly customer service and organized library collections.

IT Head – CCRC ECO Club

Dec. 2021 – Aug. 2023

Capital College and Research Center (CCRC)

Kathmandu, Nepal

- Managed digital design, event promotion, and tech support for campus sustainability programs.
- Coordinated afforestation drives, sustainability campaigns, and blood donation events.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C/C++, Java, PHP

Frameworks & Libraries: React, Express.js, Node.js, Next.js, Tailwind CSS, FastAPI, PyTorch, NumPy, Pandas.

Technologies & Tools: Git, Figma, MongoDB, Linux, Raspberry Pi, Docker, Unreal Engine

Soft Skills: Adaptability, Communication, Leadership, Critical Thinking, Collaboration, Mentorship