

# DIKXANT BHANDARI

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## EDUCATION

### University of North Texas

Denton, TX

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

*May 2028 (Expected)*

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

### Caldwell University

Caldwell, NJ

*B.S. in Computer Science*

*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 that tracks movement and room conditions using CCS811 and ultrasonic sensors.
- Developed a real-time Node.js + Tailwind + Chart.js dashboard delivering AI-generated morning reports via ElevenLabs voice output.

### RunSafe–AI Health & Air Quality App | *Frontend Developer*

HackRice 15 2025

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

### 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 conversations for therapy support.
- Led React frontend and integrated secure Node.js + Express backend for patient dashboards, chat, and mood tracking.

### Project Dristi (iSight)–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 haptic feedback.
- Integrated a Flask + React companion app with Google Maps API and Gemini AI for voice guidance, SOS alerts, and live tracking.

## WORK & LEADERSHIP

### 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.

### Yoga Instructor

Jan. 2020 – Jan. 2023

*Patanjali Yogpeeth Nepal*

*Jhapa, Nepal*

- Led group yoga sessions promoting physical wellness and mindfulness in rural communities.

## TECHNICAL SKILLS

**Languages:** Python (advanced), JavaScript, HTML, CSS, C/C++, SQL

**Frameworks:** React, Node.js, Express.js, Tailwind CSS, jQuery

**Technologies & Tools:** Git, Figma, Adobe Photoshop, MongoDB, Linux, Raspberry Pi, VS Code

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