

# 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 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