

# Pratiush Karki

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<https://portfolio-ten-dun-78.vercel.app/>

973-641-3498

## EDUCATION

### Caldwell University

Expected May 2026

Bachelor of Computer Science, Business Analytics (minor)

Honors Program, Dean's List, Secretary of Computer Science Club, Presidential Scholarship,

Recognition Award

## SKILLS AND TECHNOLOGIES

Python, JavaScript, SQL, HTML, CSS, AWS, Azure, Git, PowerBI, Firebase, GraphQL API, Illustrator, Figma, Next.js, React, Tailwind, Typescript, Express, Node, MongoDB, Framer Motion, GSAP, CSS animations.

## WORK EXPERIENCE

### Whisk It All Cafe

Glen Ridge, New Jersey

Full-Stack Software Engineer (Part-time)

August 2025

Designed, built, and deployed a customer-facing production website, emphasizing reliability and performance.

Delivered digital solution that met business requirements and increased client retention.

### Caldwell University

Caldwell, New Jersey

Systems Assistant & Student Tutor

2023 - 2024

Supported production academic and administrative systems, troubleshooting software, hardware, and network issues in the university.

Resolved user-impacting incidents through end-to-end system debugging and escalation.

Tutored Data Structures & Algorithms and Full-Stack Development, reinforcing systems-level problem solving.

## PROJECTS

### Lucid Tone | Real-Time AI Background Music Streaming Platform

Python | FastAPI | React | Redis

Built a cloud-hosted, real-time streaming system delivering continuous audio streams to connected clients.

Implemented a custom Markov Chain engine for infinite music generation tailored to each user.

Designed backend services for scalability, long-running processes, and failure recovery.

### Private Law RAG Agent

Python | Streamlit | ChromaDB | LLaMA (Ollama) | Docker

Collaborated in a three-person hackathon team to design and implement a privacy-preserving RAG agent, building the end-to-end pipeline for document ingestion, semantic retrieval using ChromaDB embeddings, and grounded response generation with a locally hosted LLaMA model, packaged using Docker for reproducible deployment.

### Home Doc | AI Health Insight App

React | Express | Node | Llama3

Designed and developed a full-stack application that uses LL-based inference to analyze user-reported symptoms and generate predictive health insights, explanations, and recommended guidance.

### Room Mates | Household Management App

Node | Vanilla JS | Express | NoSQL Database (Nedb)

Developed "RoomMates," household chore management app using Node, JavaScript, NEDB Promises, and Express. The app allows users to create groups and assign tasks to one another efficiently ultimately streamlining the roles of one another in the household.