

VIKALP CHAUDHARY

T: +91-7988010806 // W: <https://vikalpchaudhary.github.io> // E: vikalpchaudhary2007@gmail.com

EDUCATION

2024 – 2028
(expected)

BENNETT UNIVERSITY

Greater Noida, India

Bachelor of Technology in Computer Science and Engineering (Specialization in AI)

- Core Focus: Machine Learning, Neural Networks and Computer Vision.
- Hands-on experience with Python-based AI application stacks and data structures.

TECHNICAL SKILLS

Languages: Python, C++, HTML5, CSS3, JavaScript, SQL

AI & ML Technologies: Google MediaPipe, OpenCV, TensorFlow, Machine Learning Algorithms

Web & Graphics: Tailwind CSS, Responsive Frontend Design

Tools & Workflows: Git, GitHub, Python Backend Integration, CLI

PROJECTS

UniBites

UNIBITES – Campus Dining Portal

FastAPI, SQLAlchemy, React/Vite, HTML, CSS

- Developed a full-stack campus dining application featuring a React frontend and a FastAPI (Python) backend with structured SQLAlchemy database relationships.
- Implemented a dynamic checkout system supporting simulated UPI QR code payments, real-time status polling, and a print-optimized digital invoice receipt system.
- Engineered an interactive merchant dashboard equipped with a chronological FIFO order preparation queue, student profile tracing, and historical sales analytics reporting.

SignLink

SIGNLINK – ML Gesture Translator

Google MediaPipe, OpenCV, Python

- Developed an AI system translating Indian Sign Language (ISL) and American Sign Language (ASL) gestures in real time.
- Utilized MediaPipe hand/landmark detection model pipelines with OpenCV video streaming processing.
- Engineered custom dictionary architecture allowing users to save and search gestures dynamically.

HIGHLIGHTS & INTRESTS

- Deep interest in the intersection of the intelligent systems (AI) and human-centered design (UI/UX).
- Passionate about engineering minimal, performant digital platforms with impressive visuals.
- Active repository manger on GitHub, writing clean, reusable, well-documented codebases.