NIKHIL MENARIYA

nikhilmenariya78@gmail.com | 9119347437 | Surat,Gujarat
GitHub | **Linkedin** | **Portfolio** | **LeetCode**

Education

Vellore Institute of Technology — Chennai, Tamil Nadu, India
Computer Science Engg. B.Tech — Aug 2023 - July 2027
CGPA: 9.10

Sanskartirth Gyanpeeth — Surat,Gujarat
GSEB Higher Secondary (Class12) — June 2022 - Mar 2023
CGPA: 8.56

Experience

Being Ambitious | Web Design Intern — Surat,Gujarat | May 2024 - July 2024

- Designed and developed web pages with a focus on UI/UX.
- Enhanced responsiveness and visual appeal using modern web technologies.
- Collaborated with the team to execute projects efficiently.

Skills

Programming Languages:	C++, Java, Python, C, JavaScript, TypeScript
Libraries/Frameworks:	React, Node, Express, Socket.IO, FastAPI, Pandas, scikit-learn
Tools / Platforms:	Vs code, Linux OS, Docker, Git, Nginx
Databases:	Mongo DB, SQL

Projects / Open-Source

Chronic Health Risk Prediction | Link — *FastAPI, React, Machine Learning, Python, JavaScript*

- Leverages machine learning models to predict deterioration risk in patients with chronic diseases.
- Implements a FastAPI backend for efficient model serving and seamless API integration.
- Provides an interactive React frontend for healthcare professionals and patients to monitor health conditions in real-time.
- Aims to support early intervention by delivering accurate insights into potential health decline.

ParkEasy-Geospatial Parking Platform | Link — *React, Next.js,MongoDB,Socket.IO*

- Built a city-scale smart parking platform with live maps, real-time availability and navigation.
- Implemented geospatial search using MongoDB 2dsphere indexing to fetch nearby parking within a 3 km radius.
- Designed live congestion heatmaps and real-time slot updates using Socket.IO.

ChatX | Link — *React, Node.js, Express, MongoDB, Socket.IO, WebRTC, JavaScript*

- Real-time messaging with instant delivery and user presence.
- Secure document and file sharing within chats.
- Low-latency video calling using WebRTC.

Blockchain Transaction Anomaly Detection | Link — *React, Machine Learning, Python, JavaScript*

- Developed a machine learningbased system to classify blockchain transactions as licit or illicit.
- Predicts whether an anomaly exists in a given transaction.
- Designed to enhance security and transparency in blockchain ecosystems by detecting fraudulent or suspicious activities.

Certifications

- DevOps Fundamentals - **IBM**