

NARESH PRAJAPATI

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SKILLS

- **Languages & Frameworks:** Python, Java, JavaScript, TensorFlow, Scikit-Learn, Pandas, OpenCV.
- **AI & ML:** Deep Learning (CNNs, RNNs, Transformers), Machine Learning.
- **Developer Tools:** Git, Github, MongoDB, PostgreSQL, Postman.
- **Web Technologies:** MERN Stack, Bootstrap, Tailwind, HTML, CSS, Data Analytics.
- **Soft Skills:** Problem Solving, Research Mindset, Communication, Teamwork, Critical Thinking.

EDUCATION

L. J. Institute of Engineering and Technology

2023 - Present

- **Bachelor of Engineering, Computer Science & Technology** | SPI: 8.00
- **Relevant Coursework:** Object-Oriented Programming, Data Structure and Algorithm, DBMS

PROJECTS

Self Driving Car Simulation 🤖 📺 | *Python, TensorFlow/Keras, OpenCV, ML, DL (CNNs)*

July'25

- Built a **CNN-based self-driving** car model using behavioral cloning (inspired by NVIDIA architecture).
- Trained on over **1M images** (center, left, and right camera views) for robust driving prediction.
- Achieved **95% accuracy** (validation loss **0.0486**), demonstrating strong generalization on **unseen data**.
- Implemented **real-time steering prediction** in Udacity Simulator using Flask & SocketIO.

MediCare 🌐 [User] 🌐 [Admin] | *MongoDB, Express.js, React.js, Node.js, Flask, ML*

Aug'25

- **Built a full-stack** healthcare platform with separate **user and admin** portals for hospital management.
- **Integrated** an **ML-based disease prediction model** trained on **4,000+ records** to suggest diseases, medicines, diets, workouts, and precautions.
- **Enabled** users to book appointments, track history, and **monitor real-time ECG (BPM)** via Arduino.
- **Developed** a scalable backend using **Flask APIs** connected to a **MERN** frontend for robust performance.

CarCruise 🌐 [Try it here] | *MongoDB, Express.js, Node.js, EJS, REST APIs*

May'25

- **Built a full-stack** travel booking platform with **Authentication, Authorization, & CRUD operations**.
- **Developed** backend using Node.js + Express (MVC) with **MongoDB, password hashing & salting**, and centralized error handling.
- **Integrated** image uploads, **maps, and security features** including Multer + Cloudinary, Leaflet + Nominatim, **Passport, Joi validation, Helmet**, and **CSRF protection**.

EXTRA-CURRICULAR ACTIVITIES

- Participant, **Odoo Online Hackathon** Developed solutions using Odoo platform, demonstrating practical application of **software development skills**. July'25
- Participant, **HackNUthon 6.0** Built a **full-stack prototype integrating AI/ML** to solve **real-world** challenges in a competitive hackathon. March'25