

NARESH PRAJAPATI

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SKILLS

- **Programming Languages:** Python, Java, JavaScript.
- **Frameworks & Libraries:** TensorFlow, Scikit-Learn, Pandas, Numpy, OpenCV.
- **AI/ML:** Deep Learning (CNNs, RNNs, Transformers), Machine Learning, Computer Vision .
- **Web Technologies:** MERN Stack (MongoDB, Express.js, React.js, Node.js), Bootstrap, Tailwind.
- **Databases & Tools:** MongoDB, PostgreSQL, Git, GitHub, Postman.
- **Soft Skills:** Problem Solving, Research Mindset, Team Collaboration, 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 Algorithms, DBMS

PROJECTS

Self Driving Car Simulation 🤖 🌐 [\[Demo\]](#) | *Python, TensorFlow/Keras, OpenCV, CNNs*

July'25

- Built a **CNN-based self-driving** car model using behavioral cloning (inspired by NVIDIA architecture).
- **Trained on 1M+ images** (center, left, right camera views) **achieving 95% accuracy (val. loss: 0.0486)**.
- Added **lane detection** and **traffic sign recognition** for safer navigation.
- Implemented **real-time steering prediction** in Udacity Simulator using Flask & Socket.IO.

MediCare 🤖 🌐 [\[User\]](#) 🌐 [\[Admin\]](#) | *MongoDB, Express.js, React.js, Node.js, Flask, ML*

Aug'25

- Built a full-stack healthcare platform with user/admin portals, supporting **200+ active users** and **500+ API requests/day**.
- Integrated an ML-based **disease prediction model on 4,000+ records**, achieving **87% accuracy**.
- Enabled appointment booking, history tracking and real-time ECG (BPM) monitoring via Arduino, **reducing workload by 40%**.
- Developed a scalable backend with **Flask APIs + MERN backend**, improving response times by **30%**.

CarCruise 🤖 🌐 [\[Try it here\]](#) | *MongoDB, Express.js, Node.js, EJS, REST APIs*

May'25

- Built a full-stack travel booking platform with **authentication, authorization, and CRUD operations**.
- Developed backend using **Node.js + Express (MVC)** with MongoDB, password hashing and centralized error handling.
- Integrated **image uploads, maps, and location services** using Cloudinary and Leaflet Nominatim.
- Tested with **100+ users handling 300+ daily bookings**, ensuring security with Passport, Joi, CSRF.

EXTRA-CURRICULAR ACTIVITIES

- Developed solutions on the **Odoo platform** during the Odoo Online Hackathon (July '25), applying software skills to real-world workflows.
- Built a **full-stack AI/ML prototype** at **HackNUthon 6.0** (March '25), solving real-world challenges in a competitive hackathon.

March'25