

Harshil Kothiya

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Educational Background

Charotar University of Science and Technology B. Tech. in Information Technology	2022 – 2025
• GPA: 9.57	
Higher Secondary Education	2021 – 2022
• Grade: 86.66% (PCM)	
Secondary Education	2019 – 2020
• Grade: 87.66%	

Tool & Technologies

Languages and Core Subjects: C, C++, Python, SQL, JavaScript, Machine Learning, Data Analysis, DBMS

ML Libraries and Tools: Scikit-Learn, TensorFlow, PyTorch, Streamlit, Power BI

Web Development: (Frontend) HTML5, CSS3, React.js, Bootstrap, **(Backend)** Node.js, Express.js

Databases: MySQL, MongoDB

Version control: Git, GitHub

Experience

Full-stack developer - Intern , Clumoss	May 2024 – June 2024
• Developed a Hotel Management Website and an E-commerce Platform using the MERN stack.	
• Designed user-friendly interfaces for room booking, reservation management, and customer data handling in the hotel management system.	
• Built an interactive online shopping platform with seamless navigation, product pages, and secure checkout.	
• Worked closely with team members, ensuring smooth collaboration and effective project delivery.	

Projects

Remaining Useful Life of Jet Engine	🔗
• Engineered a deep learning system leveraging LSTM networks to forecast jet engine Remaining Useful Life using time series data, achieving a 15%' improvement in prediction accuracy compared to baseline models.	
FarmSmart: Crop-Recommendation	🔗
• Devised a machine learning-based system using Random Forest, SVM, and XGBoost to recommend optimal crops based on factors like Nitrogen, Phosphorus, Potassium, pH, and humidity; developed a Streamlit web interface for real-time predictions.	
Hotel Booking Website	🔗
• Crafted a full-stack web application for hotel reservations with Node.js and EJS, enabling users to explore, book, and manage stays effortlessly. Integrated user authentication, admin controls, and real-time booking capabilities within a sleek and responsive interface	

Certifications And Achievements

- Completed the NPTEL exam in **Data Structures and Algorithms Using Java** with a **score of 80%**, earning a **Silver certificate with Elite honors**.
- Completed the NPTEL exam in **Database Management System** with a **score of 76%**, earning a **Silver certificate with Elite honors**.
- Earned the NPTEL certification in **Operating System Fundamentals** with **Elite honors, scoring 67%**.