

Neelkumar Patel

Bachelor of Technology
Charotar University of Science and Technology

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Education

- **Bachelor of Technology in Computer Engineering** 2022-26
Charotar University of Science and Technology CGPA: 8.93

Projects

Lawmate — AI-Powered Legal Assistance Platform

- Developed a web platform enabling users to communicate with verified lawyers through real-time chat.
- Implemented secure document upload (PDF/DOCX) with text extraction and AI-powered summarization using OpenAI.
- Built a law-focused chatbot using embeddings + Retrieval-Augmented Generation for context-aware Q&A on user documents.
- Designed role-based access (User/Lawyer/Admin) with JWT auth and protected routes.
- Integrated MongoDB for storing profiles, chats, and documents, and used Express backend with file processing via Multer.

Car Rental Website

- Developed a full-stack MERN application for a car rental and showcase platform.
- Implemented user authentication, car browsing, and a date-based booking system, allowing users to select specific rental periods.
- Integrated the Razorpay payment gateway to handle secure online transactions.
- Utilized React for the front end and Express.js for the back end, and MongoDB for the database.

Job Portal with AI-Powered Resume Analysis

- Architected and developed a comprehensive job portal with distinct user and admin panels.
- Engineered a unique resume analyzer tool, leveraging a Python/Streamlit back end to provide job seekers with an instant ATS (Applicant Tracking System) score and detailed keyword analysis.
- Built the core platform using the MERN stack, including a robust CRUD system for job listings and secure user authentication.

Laptop Price Predictor

- Developed a machine learning web app to predict laptop prices using Random Forest Regressor. -Collected and cleaned dataset including features like brand, processor, RAM, storage, GPU, OS, etc.
- Performed feature engineering: label encoding, handling categorical data, and correlation analysis.
- Trained a Random Forest model with high accuracy for regression tasks on price prediction.

Experience

L & T Technology Services Summer Internship

May - July 2024

- **Performed Data Cleaning and Analysis using Python** – Utilized Pandas, NumPy, and visualization libraries (Matplotlib/Seaborn) for preprocessing, exploratory data analysis (EDA), and generating insights from large datasets.
- **Developed Interactive Dashboards in Power BI** – Created and optimized real-time dashboards and reports to visualize KPIs, trends, and business metrics, enabling data-driven decision-making for stakeholders.

Technical Skills

Languages: C/C++, Python, Javascript, HTML+CSS

Libraries & Tools : Reactjs , Nodejs ,Expressjs

Softwares : VScode, Github, Postman, Jupyter

Databases: MongoDB, Relational Database(mysql)

Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, DBMS.

Areas of Interest: Web Development, Machine Learning, Data Analysis.

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

Certificates

- [Oracle OCI AI Foundations Associate](#)
- [Oracle Data Science Professional](#)
- [Oracle Generative AI Professional](#)
- [MERN Stack Web Development Bootcamp -Udemy](#)
- [Data Structure and Algorithm Masterclass -Udemy](#)
- [NPTEL Reinforcement Learning Certificate](#)
- [NPTEL Introduction to LLMs Certificate](#)