

Krishna Patel

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ABOUT

3rd-year Computer Science and Engineering student with a 9.08 GPA, focusing on Problem Solving. Interested in developing efficient systems and contributing to large-scale technological solutions.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

Institute of Technology, Nirma University — CGPA: 9.08/10.00

2023 – 2027

Ahmedabad, India

PROJECTS

LLM Powered Content Creator

[Link](#)

- Engineered and deployed a full-stack web app that auto-generates classroom content and PowerPoint slides from topics, URLs, and uploaded files.
- Integrated the Llama 3.3 (70b) via Groq API using the Vercel AI SDK to fetch and stream structured LLM responses with low latency.
- Utilized the pptxgenjs library to dynamically construct and export .pptx files in the browser based on the AI-generated text.
- Built a responsive, modern user interface ensuring a clean user experience.
- Designed a prompt-engineering pipeline allowing the LLM to give the response effectively.

Credit Card Fraud Detection

[GitHub Repo](#)

- Built a real-time fraud detection web app using a trained Machine Learning model and PCA-transformed dataset.
- Experimented with Logistic Regression and Random Forest Classifier, analyzing performance metrics to select the most effective model.
- Used Random Forest Classifier with standard scaling to predict fraudulent transactions based on 28 features and an accuracy of 93.4 percent.
- Developed an interactive interface for users to input transaction data features and receive instant risk analysis with prediction confidence.

SKILLS

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

Frameworks: React, Node.js, Express, CSS, Typescript

Databases: MongoDB, SQL

Tools: Git, GitHub, VS Code

Soft skills: Problem solving, collaboration, team work

RELEVANT COURSEWORK

Data Structures & Algorithms

Operating Systems

Database Management Systems

Object Oriented Programming

Full Stack Web Development

Data Communication

Computer Architecture

COMPETITIVE PROGRAMMING

LeetCode: krishapatel2905

Codeforces: Krishna_Patel

CodeChef: krisha_patel