



# Prabhat Yadav

Roll No.:2022071049

B.Tech - Information Technology

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[Github](#)

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	MMMUT, Gorakhpur	8.04/10	2022-2026
Senior Secondary	CBSE Board	93.8%	2021
Secondary	CBSE Board	94.4%	2019

## PROJECTS

### • NoCodeNexus — AI-Driven Website Builder

*Personal Project*

[Github](#)

- AI-driven builder with dual **FastAPI** services converting NL prompts into live TailwindCSS-based HTML/CSS/JS.
- Real-time preview ( 5–6s) via async fetch and OpenAI (LangChain + LangGraph).
- **CI/CD** ‘/deploy’ endpoint **automates** GitHub Pages repo creation and URL provisioning in 4–5s, with session-Storage and **Cloudinary asset handling**.
- **Tech Stack:** HTML5, TailwindCSS, JS, FastAPI, Python, LangChain, LangGraph, GEMINI API, Cloudinary, GitHub API Pages

### • Fraud Detection Model

*Personal Project*

[Github](#)

- Developed and evaluated ML models on a 6.3M transaction dataset to detect financial fraud with a ROC-AUC of 0.9903.
- Engineered features and mitigated multicollinearity ( $VIF > 280$ ) to ensure model stability and interpretability
- **Tech Stack::** Python, Scikit-learn, Pandas, SHAP, Jupyter Notebook

### • LangChain RAG-based Conversational Document Chatbot

*Personal Project*

[Github](#)

- Engineered a RAG pipeline using **LangChain** and **FAISS** to index PDF documents and retrieve relevant passages
- Integrated **GROQ** embeddings for context-aware chat and built a **Streamlit** UI with real-time messaging and PDF export.
- **Tech Stack:** Python, LangChain, FAISS, GROQ/OpenAI API, Streamlit, FPDF2, python-docx, python-pptx, pandas.

## TECHNICAL SKILLS

- **Languages:** C, C++, Python, Java, HTML, CSS, JavaScript
- **Technologies:** Flask, React.js, MongoDB, SQL, Git
- **AI/ML Frameworks:** TensorFlow, PyTorch, OpenCV, Scikit-learn
- **Tools:** Visual Studio Code, GitHub, Postman, Jupyter Notebook
- **Operating Systems:** Linux, Microsoft Windows
- **Others:** Data Structures and Algorithms, Object-Oriented Programming, Competitive Programming, Natural Language Processing (NLP), Computer Vision

## ACHIEVEMENTS

- University Rank 1 at **Internal Smart India Hackathon 2023**
- Contributed to open source projects as a participant in GirlScript Summer of Code (GSSOC) 2024. [Certificate](#)
- Solved **1000+** problems on [Codechef](#), [Coding Ninja](#), & [Leetcode](#) combined.
- Max Rating - **1611 (3 star)** on [Codechef](#), Solved **400+** Questions.
- **AIR 20** in NPTEL Computer Vision [Certificate](#)
- Among the **top 5%** in NPTEL Deep Learning [Certificate](#)

## CERTIFICATES

- AWS Educate ML Foundations ([Credly](#))
- Generative AI with AWS (Udacity) ([Udacity](#))
- HP LIFE – Data Science and Analytics ([Certificate](#))
- Google Cloud Skills Boost Diamond League — 30,860 points earned in Generative AI and Security ([Profile Link](#))

## LEADERSHIP & VOLUNTEERING

### – **Vice President**

*Coders and Developers Club*

June 2024 - May 2025

- \* Mentored 250+ beginners in Competitive Programming through sessions and doubt-solving on platforms like CodeChef and LeetCode, fostering a strong peer-learning environment. Curated contest questions, organized coding workshops, and boosted engagement through events aligned with current trends and skill levels.