



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

- **Fraud Detection Model** 01/04/2025 – Present
Individual Project [Github](#)
 - Developed and evaluated ML models on a 6.3M transaction dataset to detect financial fraud with a ROC-AUC of 0.9903.
 - Achieved 99.89% accuracy and a 43% fraud recall using Random Forest (compared to 20% with Logistic Regression).
 - Engineered features and mitigated multicollinearity ($VIF > 280$) to ensure model stability and interpretability
 - **Tech Stack:** Python, Scikit-learn, Pandas, SHAP, Jupyter Notebook
- **LinkedIn Jobs India Analysis** 05/05/2025 – Present
Individual Project [Github](#)
 - Performed data cleaning, feature engineering, and predictive modeling on 20,000+ job postings scraped from LinkedIn India.
 - Conducted extensive EDA and identified key features influencing job salaries and company hiring trends.
 - Created a salary prediction model using regression algorithms; achieved R^2 score of 0.83
 - Visualized job distributions by location, skills demand, and salary brackets to guide job seekers
 - **Tech Stack:** Python, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook.
- **Data Analyst AI** 17/12/2024 – Present
Personal Project [Github](#)
 - Developed an AI-powered data analyst tool capable of processing various file types (.doc, .txt, .xlsx, .csv, .pdf, images).
 - Designed a scalable backend integrating the **deepset/roberta-base-squad2** model for accurate **question answering** and efficient document parsing.
 - Implemented interactive data visualization using **Matplotlib** and **Plotly**, generating insights in under **2 seconds** per query.
 - Optimized model inference time by **35%** using batch processing and caching mechanisms.
 - **Tech Stack:** Python, Pandas, OpenAI API, Flask, Streamlit, Matplotlib, Plotly.

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 [Codeforces](#), [Codechef](#), [Coding Ninja](#), & [Leetcode](#) combined.
- Max Rating - **1611 (3 star)** on [Codechef](#), Solved **400+** Questions.
- **Among the top 5% in NPTEL Computer Vision Certificate**

LEADERSHIP & VOLUNTEERING

- **Vice President**
Coders and Developers Club June 2024 - Present
 - * 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.