

# Priyanshu Jha

priyanshujha649@gmail.com | 9643714942

[GITHUB](#) | [LINKEDIN](#) | [LEETCODE](#)

## EDUCATION

B.Tech ( Information Technology )	2022-2026	Maharaja Surajmal Institute of Technology	8.08 CGPA
CBSE (Class XII)	2022	Govt. Co-ed Sr. sec. school, Bakkarwala	89%
CBSE (Class X)	2020	Holy International Sr. Sec. School, Delhi	87.2%

## EXPERIENCE

### Project Intern Infosys Springboard | Nov 2024 – Dec 2024

- Developed *Visionary: Advanced Image Recognition for the Next Era*, a cutting-edge system facial recognition.
- Trained machine learning models on facial features to enhance accuracy and recognition efficiency.
- Gained hands-on experience with advanced image processing techniques and model optimization.

## PROJECTS

### INTERACTIVE 2D REACT PORTFOLIO WORLD

- Built a gamified portfolio site using **React**, **Tailwind CSS**, and **Framer Motion** for smooth animations.
- Implemented horizontal scrolling with dynamic rendering of project cards based on character position.
- Utilized **absolute positioning**, custom components (buildings, roads, signboards), and conditional rendering logic.
- Integrated asset layers (clouds, trees, buildings) to simulate depth and enhance performance.

### IPL MATCH ANALYTICS & WIN PREDICTION SYSTEM

- Developed an IPL analytics platform using **Django** and **Seaborn**, showcasing visualizations of IPL statistics from **2008 to 2024**.
- Engineered a machine learning model using **Logistic Regression**, achieving **81% accuracy** in predicting match outcomes.
- Designed a **data preprocessing pipeline** with **OneHotEncoder** and feature engineering to optimize model performance.
- Built a **separate dashboard and prediction page**, deploying APIs to serve real-time winning probabilities based on user inputs.
- Integrated **joblib** for model persistence and **REST APIs** to handle real-time match predictions, enhancing user engagement.

### AI-POWERED STOCK TRADING SYSTEM

- Developed an AI-driven system for optimizing stock trading decisions using **machine learning** and **search algorithms**.
- Implemented a **RandomForestRegressor** to predict daily returns using market data (price, volume, volatility, etc.).
- Utilized **A search\*** and **Greedy search** algorithms to select the best stocks for trading.
- Conducted comprehensive **backtesting** to evaluate model performance, demonstrating significant improvements in trading outcomes.

### MOVIE RECOMMENDER SYSTEM

- Key Skills and Technologies:** Streamlit, Python, Machine Learning (**Cosine Similarity**).
- Developed an interactive system recommending top 5 related movies based on user searches.
- Data Handling: Managed a dataset of **5,000+** movies.

## ACADEMIC ACHIEVEMENTS AND EXTRA-CURRICULAR

- Qualified Gate DA 2025 with ALL India Rank 2270.**
- Solved **600+** problems on LeetCode and Achieved a peak rating of **1735** on Leetcode.
- Published some blog posts on Medium: [A complete beginner guide to data preprocessing](#).
- Participated in coding challenges and hackathons like Smart India Hackathon 2023, and WieHack 4.0.

## TECHNICAL SKILLS

- Programming Languages:** C++, Python.
- Database:** MySQL.
- Web Development:** HTML, CSS, JavaScript, React, Django, Git, GitHub, OOPs.
- Machine Learning and Data Science** Python(NumPy, Pandas, Matplotlib, TensorFlow, sci-kit-learn), Machine Learning, Deep Learning, Computer Vision, Natural Language Processing.
- Courses:** Completed Machine Learning and Deep Learning specialization course by Andrew Ng on Coursera.
- Completed Building Gen AI App 12+ Hands-on Projects with Gemini Pro by Krish Naik on Udemy.