

Vipin Rawat

🏠 Ludhiana, Punjab, 141001

✉ iam.vipinrawat@gmail.com

🌐 github.com/vipinrawat01

🔗 Portfolio

☎ +91 62846-45694

🌐 linkedin.com/in/vipin-rawat



Education

June 2023 – Present	MCA in AI/ML - Chandigarh University	CGPA: 8.32
June 2020 – May 2023	B.Sc - S.C.D Govt. College	Percentage: 75.9
May 2019 – May 2020	12th - CBSE Board	Percentage: 87.2
May 2017 – May 2018	10th - CBSE Board	Percentage: 91.2

Skills

Languages: Python, Java, HTML, CSS, JavaScript

Databases: MySQL

Libraries: Pandas, Numpy, Matplotlib, Sklearn, Streamlit, NLTK

Projects

Stock Price Prediction

- Crafted a predictive model leveraging LSTM neural networks to forecast stock prices with 92% accuracy, utilizing historical price data and market trends.
- Empowered investors with actionable insights, enabling data-driven decisions to optimize returns while reducing portfolio risks during volatile markets.
- Performed hyperparameter tuning and backtesting to enhance model performance and reliability under diverse market scenarios.
- Tools and frameworks used included Python, TensorFlow, and Scikit-learn for seamless integration and scalability.

Chatbot

- Designed an intelligent chatbot leveraging state-of-the-art NLP techniques and Transformer models, achieving an 85% query resolution rate.
- Enhanced user engagement through real-time query handling, significantly reducing manual customer support workload by 60%.
- Integrated contextual understanding and sentiment analysis to personalize interactions, improving user satisfaction metrics by 30%.
- Implemented the solution using Python, NLTK, and Dialogflow, ensuring compatibility across web and mobile platforms for increased accessibility.

MCQs Generator

- Engineered an AI-powered multiple-choice question generator with 95% coherence and accuracy, leveraging cutting-edge NLP techniques.
- Automated question generation processes, reducing manual effort for educators and corporate training programs by over 70%.
- Customized questions based on difficulty level and topics, ensuring relevance for diverse audiences, from students to professionals.
- Built using Python, advanced NLP models, and GPT APIs, enabling integration with existing e-learning platforms for scalability.

Internships

CodSoft

June 2024 – July 2025

- Created a predictive model with over 90% accuracy to forecast movie ratings, empowering marketing teams to target audiences effectively and refine campaign strategies.
- Developed a Titanic Survival Prediction system using logistic regression and ensemble methods, achieving 92% accuracy and providing statistical insights into survival probabilities.
- Built a Credit Card Fraud Detection system using advanced anomaly detection algorithms, achieving 95% precision and enhancing transaction security by minimizing false positives.

Pinnacle

May 2024 – June 2024

- Conducted in-depth research to develop algorithmic strategies for authenticating news articles, achieving a 95% accuracy rate through data-driven insights derived from over 1,000 validated sources.
- Automated classification workflows, reducing manual verification effort by 50% while maintaining high reliability and scalability.

Certifications

Introduction to Web Development

- IBM

Python 3 Programming

- University of Michigan

Introduction to Data Analytics

- IBM