

Divyanshu Chauhan

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Objective

Passionate AI/ML student with a strong foundation in programming, data analytics, and problem-solving. Proficient in Python, C++, and Java with hands-on experience in AI projects including recommendation systems and predictive analytics. Seeking to apply technical skills in cutting-edge technological environments.

Education

- **B.Tech in Artificial Intelligence & Machine Learning**
Lamrin Tech Skills University 2023 – Present
 - **Class 12 (Physics, Chemistry, Mathematics)**
Shree Bholenath Inter College, Volipur Sahabganj, Chandauli, Uttar Pradesh 2023
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Technical Skills

- **Programming:** Python, C++, Java, SQL
 - **Web Technologies:** HTML, CSS, Bootstrap, JavaScript (Basic), Flask
 - **Data Visualization:** Power BI, Tableau, Excel, Matplotlib, Seaborn
 - **Machine Learning:** Supervised & Unsupervised Learning, Recommendation Systems
 - **Deep Learning:** ANN, CNN, RNN, LSTM, GRU, Encoder-decoder and Transformers Architecture
 - **Generative AI:** LLM, RAG, Llama Index, Lang Chain (ong)
 - **Tools & Platforms:** NumPy, Pandas, Scikit-learn, TensorFlow, Keras, VS Code, Jupyter Notebook, Google Colab
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Projects

Customer Churn Prediction System — IBM (2024)

- Built a machine learning model to predict customer churn using customer behavioral data.
- Performed data preprocessing, feature engineering, and achieved **89% accuracy**.

E-Commerce Recommendation System — IBM (2024)

- Developed a recommendation engine using collaborative filtering techniques.
- Improved personalized product recommendations and user engagement by **30%**.

Question Answering (QA) System — Personal Project (2024)

- Built a document-based Question Answering system using **LlamaIndex with RAG architecture**.
- Integrated **Gemini AI** for context-aware, accurate responses from unstructured data.

VeritasAI: Deepfake Detection System — Personal Project (Ongoing)

- Building a CNN-based deepfake image and video detection system using TensorFlow and Keras.
- Currently achieving **86% accuracy** on manipulated media detection.

PlotVision – Machine Learning Algorithm Visualizer — Ongoing

- Developing an interactive platform to visualize machine learning algorithms step by step.
- Enhancing ML concept understanding through dynamic visual explanations.

Object Detection System — Personal Project

- Implemented real-time object detection using YOLO-based deep learning models.
- Applied the system to both image and video stream analysis.

Sentiment Analysis System — Personal Project

- Built a sentiment classification system for positive, negative, and neutral text.
- Applied NLP preprocessing and Deep Learning Techniques (BERT) for text analysis.

DS BudgetMate – Expense Tracker — Personal Project (2023)

- Developed a Python-based application for real-time expense tracking.
 - Integrated transaction categorization and spending pattern visualization.
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Certifications

- Java Certification — Udemy (2024)
 - Python Certification — Udemy (2024)
 - Power BI & Tableau Certification — Udemy (2024)
 - Python Intern Certification — Hex Software (2024)
 - 30 Days Power BI Course — ISO 9001 Certified (2024)
 - AI-Machine Learning Engineer — Reliance Foundation (2025)
 - AI Foundation Associate — Oracle Certified (2025)
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Extra-Curricular Activities

- Actively participate in coding practice and problem-solving on platforms like GitHub and online judges.
- Regularly explore and build self-initiated AI/ML and web development projects beyond academics.
- Engage in continuous learning through technical blogs, documentation, and online courses.
- Participate in team-based academic and technical discussions to improve collaboration skills.