

# DIVYANSHU CHAUHAN

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# AI ENGINEER

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Portfolio: divyanshuchauhan

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## Objective

Artificial Intelligence and Machine Learning undergraduate with strong foundations in **Python, Java, Data Structures, Machine Learning, Deep Learning, generative AI, and Data Analytics**. I am looking for opportunities in AI-driven and data-centric approaches to solve real-world problems while continuously enhancing technical and analytical skills.

## Education

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<b>B.Tech in Artificial Intelligence &amp; Machine Learning</b> Lamrin Tech Skills University	<b>2023 – Present</b>
<b>Class XII (Physics, Chemistry, Mathematics)</b> Shree Bholenath Inter College, Chandauli, Uttar Pradesh	<b>2023</b>

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## Technical Skills

- **Programming Languages:** Python, Java, C++, SQL
- **Machine Learning:** Supervised & Unsupervised Learning, Feature Engineering, Model Evaluation
- **Deep Learning:** CNN, RNN, LSTM, Transformers, BERT, Roberta
- **NLP:** offering: Text Preprocessing, Sentiment Analysis, Word embedding
- **Data Analytics:** Pandas, NumPy, Excel, Power BI, Tableau
- **Frameworks & Tools:** PyTorch, TensorFlow, Scikit-learn, Hugging Face, Flask
- **Web Technologies:** HTML, CSS, JavaScript (Basic), Bootstraps, React(ong)
- **Generative AI :** LLM, RAG, Multi model RAG, Langchain LlamaIndex, Google Gemini AI, Vector embedding
- **Developer Tools:** Git, GitHub, VS Code, Jupyter Notebook, Google Colab

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## Projects

### Deepfake Detection System — Personal Project (2025)

- Developed a CNN-based deepfake image and video detection pipeline using deep learning techniques.
- Applied face extraction and frame-level analysis to identify manipulated media.
- Achieved **78% accuracy** on deepfake classification tasks.

### Fake News Detection System — Personal Project (2025)

- Built an NLP-based fake news classification system using machine learning and transformer models.
- Performed text preprocessing, feature extraction, and model evaluation for reliable predictions.

### Sentiment Analysis System — Personal Project (2025)

- Designed a sentiment classification system to categorize text as positive, negative, or neutral.
- Implemented NLP preprocessing and transformer-based models for improved accuracy.

### Question Answering (QA) System — Personal Project (2025)

- Built a document-based Question Answering system using **RAG architecture with LlamaIndex**.
- Integrated LLMs to generate context-aware answers from unstructured documents.

### Talent Court Chatbot for Recruitment — Project Assignment (2025)

- Developed an AI-powered recruitment chatbot to collect candidate details and generate technical questions.
- Implemented backend logic for conversation flow and response storage for recruiter review.

### Customer Churn Prediction System — IBM (2024)

- Developed a machine learning model to predict customer churn using structured customer datasets.
- Performed data preprocessing, feature selection, and model evaluation achieving **89% accuracy**.

### **E-Commerce Recommendation System — IBM (2024)**

- Designed a collaborative filtering-based recommendation engine.
- Improved personalized product recommendations and user engagement metrics.

### **DS BudgetMate – Expense Tracker — Personal Project (2023)**

- Created a Python-based application to track expenses and analyze spending patterns.
- Implemented expense categorization and summary-based financial insights.

## **Certifications**

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- Java Programming Certification — Udemy
- Python Certification — Udemy
- Power BI & Tableau Certification — Udemy
- AI & Machine learning engineer — Reliance Foundation
- AI Foundation Associate — Oracle Certified

## **Languages**

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- English — Intermediate Working Proficiency
- Hindi — Native Proficiency

## **Extra-Curricular Activities**

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- Actively build and maintain AI/ML projects on GitHub and Hugging Face.
- Regularly participate in coding practice and problem-solving activities.
- Continuously upskill through technical blogs, research papers, and online courses.
- Participate in team-based discussions and collaborative technical projects.