

PEEYUSH VERMA

AI/ML ENGINEER

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SUMMARY

Aspiring Data Analyst & ML Enthusiast with experience in **Python**, **Machine Learning**, and **Data Visualization** through **2 internships**, **3+ projects**, and **multiple certifications**. Skilled in **EDA**, **AI model development**, and **machine learning pipeline development** with a strong focus on solving real-world problems using data-driven approaches.

Internship

Data Science Intern | Celebal Technology

May 2026 – Present

- Completed industry-focused training in **Data Science**, **Machine Learning**, **Deep Learning**, **Generative AI**, and **RAG**
- Applied **data pre-processing**, **visualization**, and **machine learning** techniques to develop a **RAG-based application**.
- Collaborated with mentors to develop end-to-end Data Science projects and solutions.

Data Analyst Intern | Samatrix Consulting Pvt. Ltd.

June 2025 – July 2025

- Performed **EDA**, **data cleaning**, and **pre-processing** using **Python**, **Pandas**, and **Scikit-learn**
- Applied **statistical analysis** to identify trends and actionable insights.
- Delivered structured reports supporting data-driven decision-making.

PROJECT EXPERIENCE

SMS Spam Detection System | [GitHub](#)

- Tech Stack:** Python, Scikit-learn, NLTK, Pandas, TF-IDF Vectorization, Streamlit, Pickle.
- Developed an **NLP-based** machine learning model to classify SMS messages as **Spam** or **Ham**, achieving accurate spam classification.
- Preprocessed text (tokenization, stopword removal, stemming), extracted features using TF-IDF, trained and evaluated a machine learning classification model before deploying an interactive Streamlit application.

Recall | Image Search Platform | [GitHub](#)

- Tech Stack:** FastAPI, HTML, CSS, JavaScript, CLIP, OCR, Computer Vision.
- AI-powered image retrieval platform enabling visual and **OCR-based** retrieval with optimized upload and inference speed.
- Compressed images client-side, processed **CLIP/OCR** in the background, and delivered **<2s** upload response with AI indexing.

AI Chatbot Using RAG | [GitHub](#)

- Tech Stack:** Python, Streamlit, LangGraph, LangChain, Groq LLM, Google Gemini Embeddings, FAISS, UV.
- Developed a Retrieval-Augmented Generation (RAG) chatbot to deliver accurate, context-aware responses from a local knowledge base.
- Implemented an agentic workflow with tool calling (RAG + calculator), enabling fast and reliable AI responses with real-time execution tracing.

EDUCATION

B.Tech in Computer Science Engineering (Artificial Intelligence & Machine Learning)

2023-2027

JECRC University, Jaipur

CGPA: 8.2/10

TECHNICAL SKILLS

- Languages:** Python, Java(DSA), C++, R, HTML, CSS, JavaScript, SQL
- Frameworks & Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, Keras, OpenCV, NLTK, Matplotlib, Seaborn, Flask, FastAPI, Streamlit, RAG(Retrieval-Augmented Generation)
- Tools & Platforms:** Git, GitHub, Jupyter Lab, Google Colab, VS Code, PyCharm, IntelliJ IDEA

CERTIFICATES

- [Data Analysis with Python](#) by Samatrix.io on
- [Machine Learning & Pattern Recognition](#) by Samatrix.io
- [Deep Learning](#) by Samatrix.io