Rohan Rajora

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Objective

Passionate Computer Science student with hands-on experience in AI/ML, cloud computing, and web development. Currently interning as an ML Engineer, applying data-driven solutions to real-world problems. Focused on deepening expertise in AI/ML, with a strong interest in exploring blockchain development and smart contracts next. Seeking opportunities to grow by building intelligent, scalable solutions that drive innovation and impact.

Education

Vivekananda Global University *August 2023 - July 2027*
B.Tech in AI and Data Science

- GPA: 6.52/10.00

Achievements

[CODE RED 4.0]
Created an AI tutor chatbot designed to provide personalized learning experiences for students. Focused on inclusivity, the chatbot supports students with diverse needs and adapts to their learning styles.

[GOOGLE CLOUD 2.0]
Developed a chatbot using Google Cloud's Dialogflow to provide dynamic and interactive user assistance, enhancing user engagement. The chatbot was designed to understand natural language and respond effectively to user queries, improving overall user experience..

Experience

Machine Learning Engineer Intern *Jaipur, India*
CODECRAFT INFOTECH *July 2025 – August 2025*

- Implemented a Linear Regression model to predict house prices based on features like square footage, number of bedrooms, and bathrooms, achieving high prediction accuracy on test data.
- Developed a computer vision model to identify food items from images and estimate their calorie content, enhancing dietary tracking for end users.
- Applied techniques such as data preprocessing, feature engineering, and model evaluation to improve model performance and user usability.
- Collaborated with the team to design ML pipelines, improving model deployment readiness and practical integration.

Projects

Movie Recommendation System

- Developed a content-based movie recommendation system that suggests similar movies based on user-selected titles.
- Implemented cosine similarity and vectorization techniques to compare movie metadata, achieving fast and accurate recommendations.
- Created an interactive web interface using Streamlit to enhance user experience and accessibility.
- Applied data cleaning and feature extraction methods on a movie dataset to improve recommendation quality and system reliability
- Tools Used: Python, Pandas, scikit-learn, Cosine Similarity, Streamlit, Jupyter Notebook

Diabetes Prediction Model

- Built a machine learning model to predict the likelihood of diabetes based on diagnostic medical attributes using the PIMA Indian dataset
- Implemented data preprocessing, feature scaling, and trained Logistic Regression and Random Forest models for comparison
- Achieved high accuracy with model evaluation using confusion matrix, ROC-AUC, and cross-validation
- Tools Used: Python, scikit-learn, Pandas, NumPy, Matplotlib, Jupyter Notebook

Technologies

Languages: Python,SQL, JavaScript

Technologies: NumPy, Pandas, Docker, Git and Github, TensorFlow, PyTorch, OpenCV, Matplotlib, Seaborn, Flask, Streamlit, VS Code / PyCharm, Google Colab