Vishal Kanyal

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EDUCATION

Guru Gobind Singh Indraprastha University   Delhi, India
Bachelor of Technology in Artificial Intelligence and Data Science   *Nov. 2022 – Present*

Govt. Co-ed Sr. Sec School   Delhi, India
XII Grade   *Apr. 2021 – Jul. 2022*

Govt. Co-ed Sr. Sec School   Delhi, India
X Grade   *Apr. 2019 – Jul. 2020*

PROJECTS & EXPERIENCE

Movie Sentiment Analysis   Link
- Developed a Recurrent Neural Network (RNN) model to predict whether a movie review is positive or negative.
- Cleaned the dataset using regular expressions and NLTK, and converted reviews into word embeddings using Word2Vec.
- Built an LSTM model, used Streamlit for real-time predictions, and deployed the project via Streamlit and GitHub. Achieved 85.7% accuracy.

Diabetic Patient Prediction   Link
- Developed a deep learning model to predict whether a woman is diabetic based on health metrics.
- Performed data analysis, applied standard scaling, balanced the dataset using SMOTE, and built an ANN model with a Streamlit-based UI for real-time predictions.
- Achieved 85% accuracy; deployed the project via Streamlit and shared the complete solution on GitHub.

Malaria Cell Detection
- Developed a model for detecting malarial cells using Convolutional Neural Networks (CNN) and Artificial Neural Networks (ANN).
- Performed data preprocessing, feature extraction, and model training on labeled cell images.
- Achieved 92.41% accuracy in identifying parasitized and uninfected cells.

KnightBot   Link
- Built a domain-specific chatbot that responds exclusively to chess-related queries.
- Integrated with Mistral AI's LLM using API requests and prompt engineering to ensure accurate, chess-specific responses.
- Designed a user-friendly interface using Streamlit and deployed the chatbot for real-time interaction.

TECHNICAL SKILLS

Languages: Python, C++, MySQL, Java
Tools: Tableau,Streamlit
Libraries: Pandas, NumPy, Matplotlib, Scikit-Learn, TensorFlow,Keras
Other Skills: Machine Learning, Deep Learning, NLP, DSA

CERTIFICATES

- Completed Machine Learning and Data Science Program (Geeks for Geeks).
- IBM SkillsBuild Internship Certificate.

ACHIEVEMENTS

- Secured 3rd Rank in POTD (Problem of the Day) among thousands of coders.
- Participated in UPL (Cricket League) and contributed to the team's tournament victory.