CHANCHAL ALAM

Jalandhar, Punjab 144111

📞 +916203247467 ✉ chanchalalam00@gmail.com 🔗 linked/chanchalalam ⬤ github/chanchalalam k kaggle/chanchal24

Technical Skills

Programming Languages: Python, Java, R

Data Science and Machine Learning: Tableau, ML algorithms, TensorFlow, PyTorch, NLP, Deep Learning, OpenCV, Mediapipe, Computer Vision, PySpark, Big Data, Large Language Models (LLMs), AI Chatbot

Database: MySQL, MongoDB, Microsoft Excel, MS Project

Other Technologies: Web Scraping, DSA, Hue, Figma, RapidMiner, Informatica Tools

Projects

YouTube Video to Detailed Notes Converter | *Python, LLM*   **Jan 2024**
- Developed an application using `LLM` and `Gemini Pro Model API` to automatically generate notes from YouTube video transcripts.
- Streamlined key insight extraction from lengthy videos, enhancing usability for students, researchers, and professionals.
- Improved content consumption by providing concise, structured notes from video information, boosting user efficiency.

Quora Text Classification | *Python, NLP*   **Nov 2023**
- Performed text preprocessing tokenization, stopword removal, lemmatization, stemming to ensure high-quality data for machine learning workflows.
- Transformed unstructured text into numerical vectors using `TF-IDF` and `CountVectorizer` for model accuracy.
- Identified actionable insights and key patterns, optimizing Quora's content discovery and information flow efficiency.

Multiple Disease Detection Web Application | *Python, Machine Learning, Deep Learning*   **Sep 2023**
- Developed a web application capable of predicting multiple diseases, including Diabetes, Heart Disease, Kidney Disease, Breast Cancer, Liver Disease, Malaria, and Pneumonia.
- Implemented machine learning models such as `Logistic Regression`, `Decision Tree`, SVM, KNN, `Random Forest`, and `XGBoost` to enhance prediction accuracy.
- Integrated deep learning algorithms like `Convolutional Neural Networks` and pretrained models for advanced disease detection.

Internship

CodersCave, Data Analyst Intern   **Oct 2023 – Nov 2023**
Virtual Internship   *Virtual*
- Worked on a breast cancer detection project using SVM, Logistic Regression, KNN, and Random Forest models. Achieved best accuracy of **98.24%** using Logistic Regression.
- Developed a Speech Emotion Recognition system using LSTM. Visualized audio data with wave plots and spectrograms, achieved **98%** accuracy in emotion classification.
- Worked on a Spam or Ham detection project using a pipeline with a vectorizer and Naive Bayes, achieved good accuracy.

Certificates

Generative AI for Everyone, DeepLearning.AI	**May 2024**
Data Analysis with Python, Jovian	**Jan 2024**
Machine Learning and Data Science Program, GeeksForGeeks	**Dec 2023**
Introduction to Artificial Intelligence, Kaggle	**Nov 2023**

Achievements

Kaggle Notebook Master, ranking in the top **100** globally.	**Aug 2024**
CodeChef **3-star** rating with a score of **1783**.	**July 2024**
Achieved **58th** rank globally in a CodeChef contest.	**June 2024**

Education

Lovely Professional University   **Sep 2021 – July 2025**
Bachelor of Technology in Data Science (Artificial Intelligence and Machine Learning)   *Phagwara, Punjab*

Paramount Academy Muzaffarpur   **July 2018 – July 2020**
Intermediate (PCM)   *Muzaffarpur, Bihar*