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| JYOTI JHA  A dedicated and an aspiring software Development Engineer with an objective of working in an organization that provides opportunities for technical and personal advancement |

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# TECHNICAL STACK

**Data Science/Machine Learning**

* Python, Supervised learning Algorithm, Unsupervised Learning Algorithm, Feature Engineering, Feature selection and Extraction tec.

**Mathematics for ML & DL**

* Algebra, Probability, Statistics, Calculus, Matrics

**Python packages and Frameworks**

* Scikit-Learn, Pandas, NumPy, Spacy , NLTK

**Web Development**

* Html, CSS, Flask, JavaScript

**Programming Languages**

* Python, JavaScript, SQL, HTML, CSS

**Databases**

* Sqlite , Mysql

**Cloud Development**

* Pythonanywhere.in
* render.com

# PROJECT

**LANGUAGE DETECTION MODEL USING NATURAL LANGUAGE PROCESSING**

* Developed a robust Language Detection Model leveraging Natural Language Processing (NLP) techniques to accurately identify the language of a given text input. The project was implemented using Python, Flask, HTML, and CSS.
* **Frontend**: HTML, CSS, JavaScript
* **Backend**: Python, Flask, Pandas, NLTK

Used NLTK for tokenization, String module for punctuation filtering, and text vectorization Tfidf

**CHATBOT USING NATURAL LANGUAGE PROCESSING**

* Developed an intelligent Chatbot leveraging Natural Language Processing (NLP) techniques, specifically cosine similarity, to provide accurate responses to user queries. The project was implemented using Python, Flask, HTML, and CSS.
* **Frontend**: HTML, CSS, JavaScript  
   **Backend**: Python, Flask, Pandas, Scikit-learn, NLTK  
   **Storage**: SQLite  
   **Deployment**: PythonAnywhere

**REAL ESTATE PRICE PREDICTOR USING MACHINE LEARNING**

* Developed a Real Estate Price Predictor utilizing machine learning techniques to estimate property prices based on various features such as location, size, and amenities. The project was implemented using Python, Flask, HTML, and CSS.
* **Frontend**: HTML, CSS, JavaScript  
  **Backend**: Python, Flask, Pandas, Scikit-learn  
  **Storage**: SQLite  
  **Deployment**: PythonAnywhere

**DOCUMENT SIMILARITY CHECKER**

* The "Document Similarity Checker" is a project designed to determine the degree of similarity between two or more textual documents. This type of tool is useful in various applications such as plagiarism detection, content redundancy analysis, document clustering, and information retrieval.
* **Frontend**: Streamlit  
  **Backend**: Python, Pandas, nltk  
  **Deployment**: Render.com

[**https://document-similarity-checker-1.onrender.com/**](https://document-similarity-checker-1.onrender.com/)

**ISRAEL-PALESTINIAN CONFLICT ANALYSIS**

* The "Israel-Palestinian Conflict Analysis" project aims to provide an in-depth examination of the ongoing conflict between Israel and Palestine. This complex and multifaceted project leverages data analysis, historical context, and contemporary geopolitical insights to offer a comprehensive understanding of the conflict's dynamics, key events, and potential future scenarios.
* **Frontend**: Streamlit  
  **Backend**: Python, Pandas, nltk  
  **Deployment**: Render.com

<https://isreal-palestian-conflict-analysis-1.onrender.com/>

**GDP ANALYSIS AND PREDICTION**

* The "GDP Analysis and Prediction" project aims to analyze historical and current economic data to understand trends in Gross Domestic Product (GDP) and predict future GDP values. This project leverages statistical techniques, machine learning models, and data visualization tools to provide insights into the economic performance of countries or regions.
* **Frontend**: Streamlit  
  **Backend**: Python, Pandas, nltk  
  **Deployment**: Render.com

[**https://gdp-analysis-and-prediction-3.onrender.com/**](https://gdp-analysis-and-prediction-3.onrender.com/)

# Education

## Bachelor Of Engineering | 2021-2025 | Datta Meghe College Of Engineering

## CGPA:9.2

## Higher Secondary School | 2019-2021 | Vani Vidyalaya And Junior College

## Percentage: 94%

## Secondary School  Certificate |2009-2019 | Rghs

## percentage: 91%

# Skills

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| * **Frontend**: Html, CSS, JavaScrpit * **Backend** :Python ,Flask ,Pandas ,Scikitlearn ,NLTK, * **Storage**: SQLite, MySQL * **Deployment**: Pythonanywhere.in |  |

# Achievements

Rank 2 in Coding Premiere League 2023