Rangani Krushank Jayeshbhai

krushankrangani29@gmail.com | +91 7778888578 | Linkedin | Github

Education

C.K. Pithawala College of Engineering **September 2022 - Present**

Bachelor in computer engineering , CGPA: 7.1

Experience

AI/ ML Engineer : Avinashi **July, 2024 - Present**

- Made an accurate model on power generation.
- Explored many of the different projects which are really needed in the market.
- Learn how to manage any project efficiently and work for the best on it.
- Also gained much knowledge in web scraping technologies.
- Developed chrome extensions which are really helpful to the user.
- Also developed a model using GenAI.

Skills

Data Analysis	HTML
Machine learning	CSS
Deep learning	Tailwind CSS
Generative AI	Java Basics
Power BI	DSA
NLP	Operating System
Python	Business Analysis
Business Development	DBMS (SQL)

Projects

Data Analysis Projects :

Netflix Data Analysis:

Performed comprehensive data analysis on Netflix datasets to extract actionable insights on user behavior, content preferences, and streaming trends. Performed the Data manipulation, Data cleaning, Data analysis using different libraries.

Amazon Sales Data analysis:

Analyzed Amazon sales data to uncover trends, customer preferences, and market opportunities. Employed statistical techniques and data visualization tools to derive actionable insights for optimizing sales strategies and enhancing product offerings. Contributed to informed decision-making processes, driving revenue growth and customer satisfaction.

Machine Learning Projects :

Email spam-ham classification:

Implemented a robust email spam-ham classifier using various machine learning algorithms as Random Forest. This involved preprocessing email data, feature extraction with techniques like TF-IDF. Achieved a high accuracy rate in distinguishing between spam and legitimate emails and model evaluation techniques.

Handwritten Digit Recognition:

Proficient in Handwritten Digit Recognition utilizing machine learning algorithms, adept at designing and implementing models such as Convolutional Neural Networks (CNNs) and Support Vector Machines (SVMs). Skilled in preprocessing techniques, feature extraction, and model evaluation to achieve high accuracy in digit classification tasks. Experienced in Python programming and popular libraries including TensorFlow, Keras, and scikit-learn.

ChatBot for University enquiry:

Developed a machine learning-based ChatBot for University enquiries. Integrated with university databases to deliver accurate information on programs, admissions, scholarships, and campus facilities. I have implemented this project using the libraries like numpy, json, pickle, random, tensorflow, nltk, keras. With the accuracy of 95%.

Resume Ranking System:

Deployed this project with an accuracy score of 96%. This is my end to end project. I have used various technologies like for developing the model I have used ML algorithms, and other libraries like pyparser, pyPDF etc. And for developing website I have used web technologies like HTML, CSS

Generative AI Project :-

Search Engine:

I have developed this particular project using langchain. This project was developed using llama3 model 8b which was trained on 8 billion parameters. I have also checked other models other than llama 3 like gemma, openAI but I preferred llama 3 model because this was trained on 8 billion parameters and it was giving accurate answers then other models.

Chatbot with PDF with History:

This project helped my classmates in my college. Using this model they have made their studies easy as they can get answers to each and every question which exists in the PDF which they have uploaded. This project helped not only students but also faculties. Fcauties used this project to provide students a short summary of the particular pdf which they upload. This model also was capable of storing history and users could access it anytime they preferred.

Chatbot with website and Youtube video:

This project helped my classmates in my college. Using this model they have made their studies easy as they can get answers to each and every question which exists in the url and you tube video link which they have uploaded. This project helped not only students but also faculties. Faculties used this project to provide students a short summary of the particular url or youtube video's url which they upload. This model also was capable of storing history and users could access it anytime they preferred.