AAYUSH KUMAR

Coder ~ Developer

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Leetcode Profile | 7488177798
GitHub Profile | Patna, India

EDUCATION

Year	Degree / Exam	University / School	CGPA / %
2021 (ongoing)	B.TECH (CSE)	Graphic Era University, Dehradun	8.87
2021	CBSE XII	Loyola High School, Patna	89%
2019	CBSE X	JMV Residential School, Patna	90.2%

PROJECTS

Project 1

Voice Based Virtual AI Assistant integrated ChatGPT API key Project Link

- Based on speech recognition, where the model takes input from user's microphone, connects to OPENAI server and then answers back in its voice with 256 tokens at a time.
- Utilized NLP techniques to process and understand the user's audio format input, enabling the chatbot to generate contextually relevant responses with over 94% accuracy.
- Able to store the answers in a text file at a desired location using the CHAT GPT 3.5 engine.
- Technologies used : **Python, PyAudio, Speech Recognition, NLP, OpenAI API Key**

Project 2

Jokes Chrome Extension integrated with API Project Link

- Built a Chrome extension for web browsers that fetches jokes from an API and displays them in a corner of the browser window, providing users with a quick dose of humor.
- Designed a user-friendly and visually appealing interface that seamlessly blends with the Chrome browser, ensuring an enjoyable user experience.
- Fetches a new joke from the API server whenever the user clicks on the extension.
- Technologies used : **JSON, HTML, CSS, JavaScript, API Integration**

Project 3

Anomaly Detection in Time Series Data Project Link

- Implemented an anomaly detection model using LSTM Autoencoders and a deep learning technique to analyze time series data. The model divided the data into training and testing sets.
- Implemented a methodology to calculate a threshold value that distinguishes anomalies from normal data points depending upon it with an overall 93% accuracy.
- Technologies used : **LSTM Autoencoders, RNN, Deep Learning, Python, Machine Learning**

Project 4

Credit card fraud detection using ML Project Link

- Developed a model to detect fraudulent credit card transactions which takes a categorical dataset as input and also observes the abnormal transactions
- Demonstrated strong data preprocessing and feature engineering skills to prepare the dataset for the model training which resulted in over 93.5% accuracy.
- Technologies used : **Feature Engineering, Scikit-learn, Supervised Machine Learning, Neural Network**

SKILLS

- **Languages:** C++, C, JAVA, Pyhon, HTML, CSS, Javascript
- **Tools:** VS Code, GitHub, PyCharm, Google Collab, Photoshop, Illustrator, Premiere Pro
- **Knowledge:** Data Structures, Problem-Solving, Linux, Shell, Terminal

OTHERS

- **260+ on Leetcode**
- **Beginner Bug Hunter :**
  Found bugs in a few websites, in which the payment gateway was not connected properly :- site1 site2
- IIT Patna Campus Ambassador
- Freelancer, Graphics Designer with more than 20 designs with 5 Star Ratings:-
  Freelancing Profile1 Freelancing Profile2
- Hired as a video editor for YouTube channels and an Instagram Model