Prasad Kate

Aurnagabad, India 413001
kateprasad445@gmail.com • (+91) 8261 056625
LinkedIn **Github**

Bachelor of Computer Science

Highly motivated AI enthusiast and aspiring data scientist with a strong foundation in statistics, machine learning, and data analysis. Eager to leverage my technical skills and passion for uncovering insights from data to contribute as a data analyst. Possesses proficiency in [Python, Pandas, Numpy]. Driven to learn and contribute to innovative projects in a collaborative environment.

Education

Bachelor of Computer Science

Vivekanand Arts, Sardar Dalipsing Commerce and Science (perceiving) — **CGPA : 7.17**

Higher Secondary School

Balbhim Arts, Scienceand Commerce College — **Percentage: 77.83**

Secondary School

Champavati School of Higher Secondary — **Percentage: 83.60**

Technical Proficiencies

Programming Languages :	**Python, SQL, Java, HTML, CSS**
Developer Tools :	**Pycharm, Jupyter notebook, Kaggle, Visual Studio Code, Google Colab, Git**
Data Science:	**Machine Learning, NLTK(Natural Language Toolkit), Web scraping**
Python Libraries:	**Numpy, Pandas, Matplotlib, Seaborn, OpenCV, Sklearn, Scipy, Flask**
Deployment:	**Streamlite, Flask and Fast APIs, Git/Github**

Projects

- **WhatsApp Chat Analyser** — Gitub_link

Objective: Developed a webapp for analyses of our group chat or personal chat with help of data visualisation tools

- Get data from your what's app. First go to chat then more option and click more you see a Export chat option download chat.
- Used Pandas to clean data, with the help of matplotlib and seaborn visulise data.
- Regular Expression for text processing. It scrape chat from downloaded chat file use regular expression for text processing and convert it into csv file.
- Used Hinglish library to remove repeated words for visulisation. Visulisation done in three different types in form of bar, heatmap and WordCloud
- Deploy model that created on Jupyter Notebook with the help of pickle. It python library which deploy code in binary format, we can access this file with python using file handling
- Streamlite library to develop a webapp. Access data with the help of SQL queries. Inserted file receiver in web app for get what's app exported chat.

Technical: **Python, Streamlite, Git, SQL, Hinglish, Pandas, Matplotlib, Regular Expression, WordCloud, Pickle, Seaborn**

- **Movie Recommendation System** — Gitub_link

Objective: For recommending movies that we entered in search box

- Download data of tmdb 5000 movies from kaggle and get comfortable with data using pandas and matplotlib libraries.
- With the help of Abstract Syntax Tree (ast) we can read data and extract the name of caste and director name with the help of literal_eval function. It convert data into list.
- initialise CounterVectorizer with the help of that you can transform a collection of text documents into a matrix

of token counts it is also known as one hot encoding.

- Reducing different form of words using NLTK steam function like running, runs, into run. It converts into vectors to compare that datapoint to another datapoint
- Using Pickle you dump that file in binary form in readable format. Create webapp using Streamlite library.

Technical: **Python, Streamlite, Git, Pandas, Matplotlib, Pickle, Seaborn, Sklearn, Nltk, Metrics**

- **Car Price Predictor** **Gitub_link**

Objective: It predicts car price by giving it some information about car like fuel type, company, model, km driven, price that's it, give some rough price. You can negotiate with that price to sell your car.

- Scraped data from Quikr with using python and its library called BeatifulSoup convert it into csv file using pandas.
- Clean data and remove duplicates using pandas as well as null values. Visualise data wih the help of matplotlib and seaborn
- Applied OneHotEncoding to columns to converts data to 0's and 1's with pipeline included categories function with all columns. It creates new binary features for each unique category of a variable, with a value of 1 for the relevant category and 0 for all others.
- Used Linear Regression Machine Learning Algorithm fit pipeline and get predicted value
- Dump that file into pickle in binary form and create a web app with help of streamlite.

Technical: **Python, Streamlite, Git, Pandas, Matplotlib, Pickle, Seaborn, Sklearn, Nltk, Metrics, Linear Regression, SGDRegressor, BeatifulSoup, OneHotEncoding, Pipelines, Categories, R2_score**
