📊 Food & Travel Blog Analyzer - Project Report

💁 Developed By

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🎯 Objective

To analyze food and travel blog content using Python and NLP techniques to extract trends, frequent words, and overall sentiment.

💼 Technologies Used

- Python
- TextBlob (Sentiment Analysis)
- NLTK (Stopword filtering)
- Matplotlib (Bar chart)
- WordCloud (Word cloud generation)

📁 Folder Structure

```
project_root/
├── blog_analyzer.py
├── data/
│   ├── blog1.txt
│   └── blog2.txt
├── wordcloud.png
├── top_words_chart.png
```
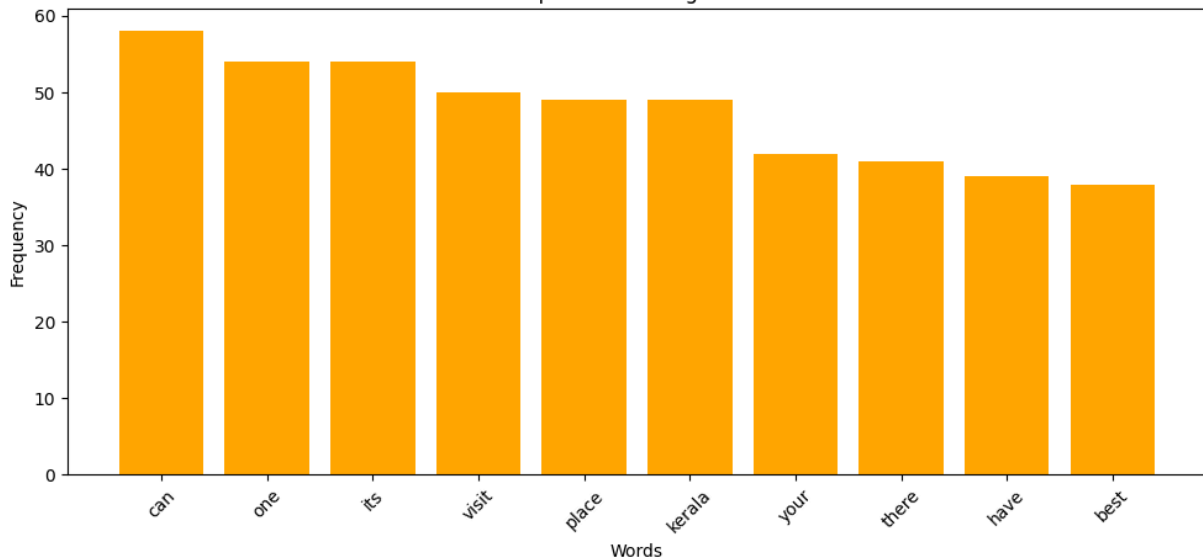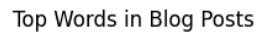
⚙️ How It Works

1. Loads blog content from .txt files
2. Removes stopwords using NLTK
3. Counts top 10 most frequent words
4. Displays a bar chart and word cloud
5. Analyzes sentiment using TextBlob

📈 Sample Output

Top Words: kerala, travel, food, beach, culture, local, spice, cuisine, backwaters, delicious

Sentiment: Positive (Polarity Score: 0.27)

Top Words in Blog Posts

🧠 Use Cases

- Analyze blog content trends
- Assist food & travel bloggers
- SEO & content strategy improvement
- Summarize blog series quickly

🚀 Future Enhancements

- Scrape blog content online
- Add GUI or web interface
- Multi-language support
- Compare blogs side-by-side

✅ Conclusion

This project demonstrates a practical application of Python and NLP to understand written content. It's simple, effective, and portfolio-friendly.