AI-Powered Accident Cause Identification

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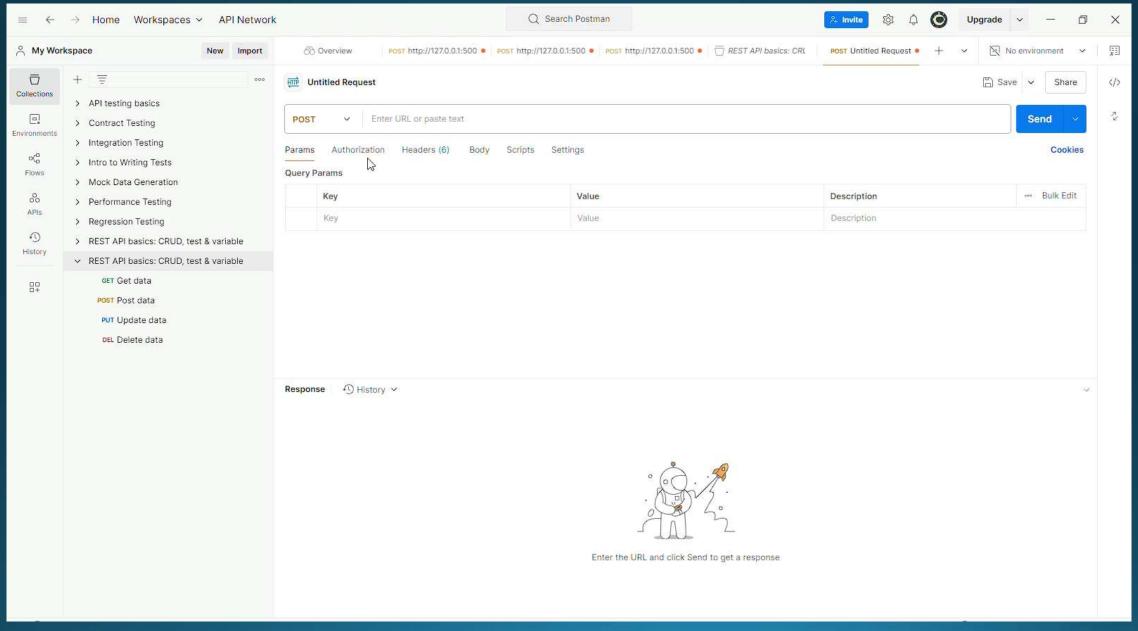
Problem statement

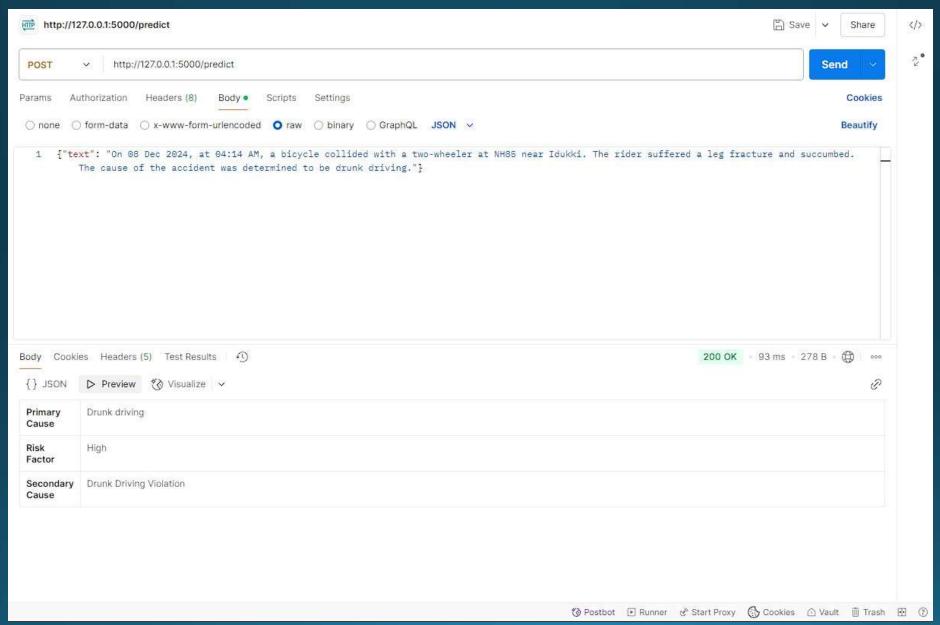- This project aims to analyze accident reports to extract primary cause, secondary cause and risk factors.

Objective

- Develop an NLP(natural language processing) based system to identify accident cause from accident report.

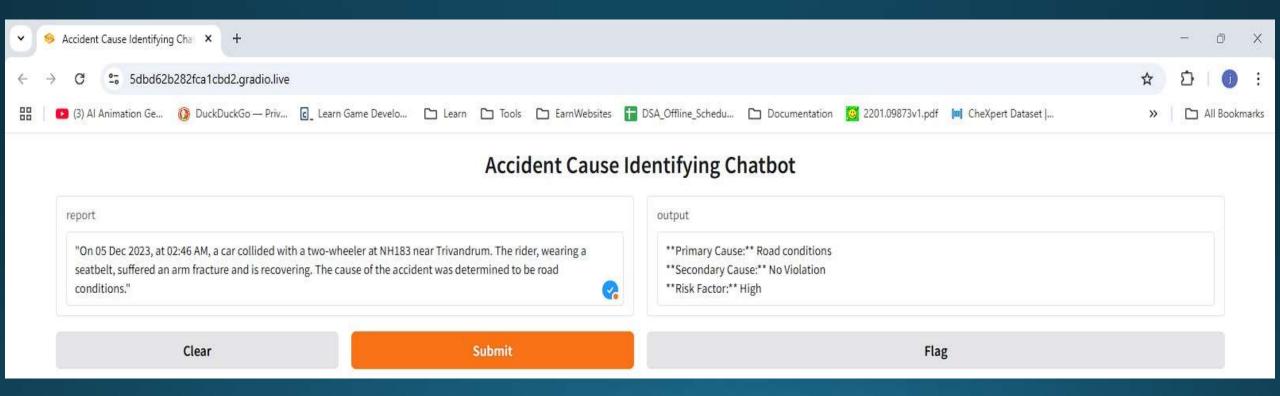- Implement a chatbot to extract accident cause from accident report and display it.
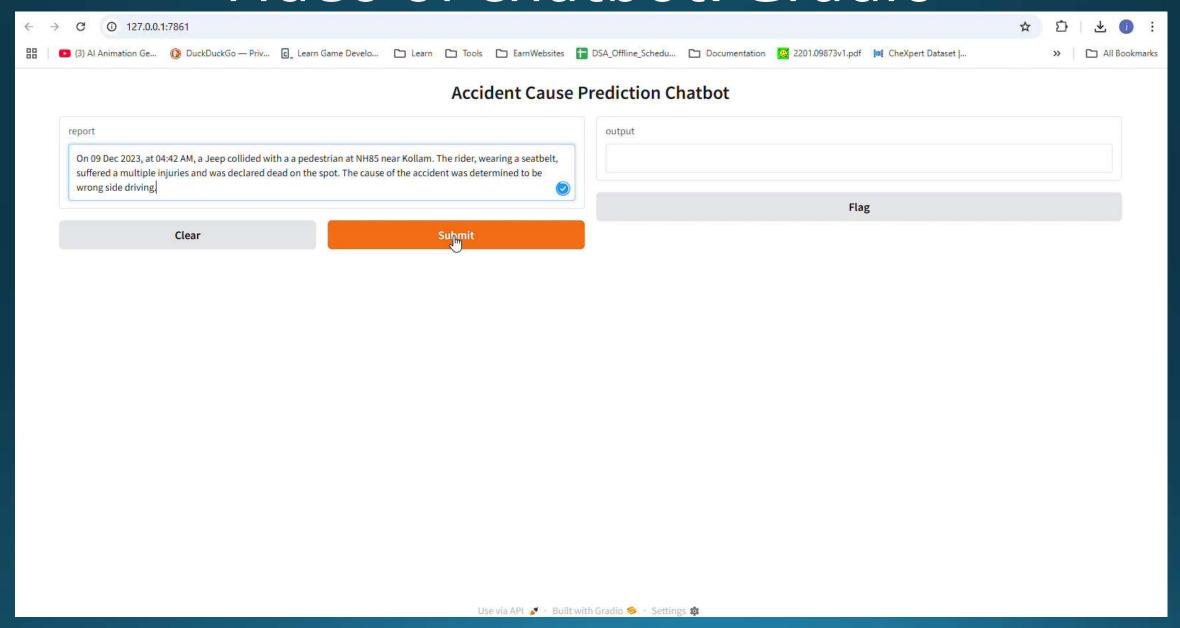
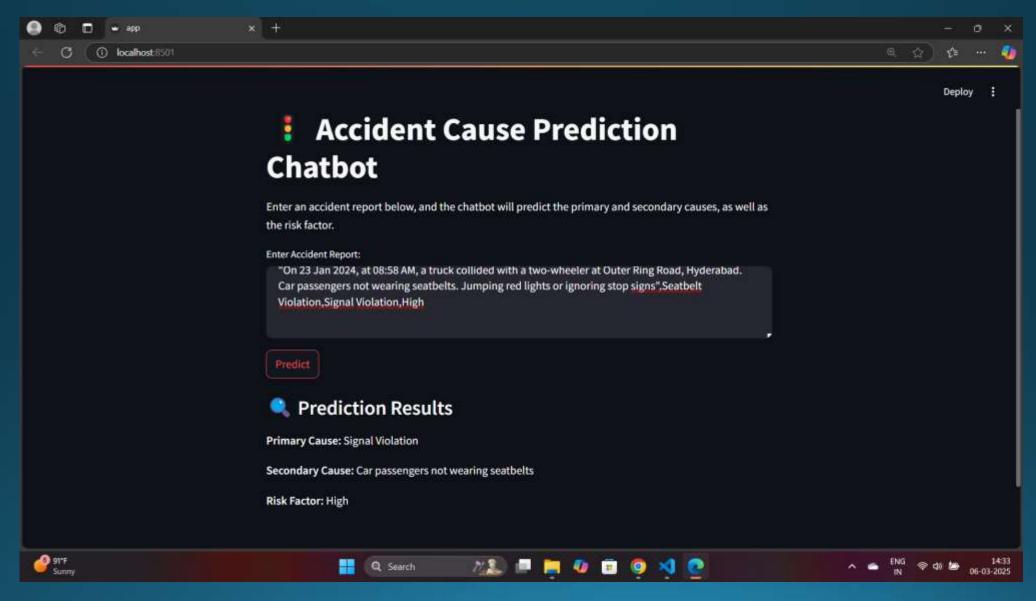# Video: Testing API using Postman

Image of output-Postman

Accident cause identification chatbot (Using Gradio)

Video of chatbot: Gradio

Chatbot(Using streamlit)

References

- Form 54(Accident information report, Ministry of Road Transport and Highways)

- Ministry of road transport and highways

- iRAD (Integrated Road Accident Database)

- Annual reports, GoI, Ministry of Road Transport and Highways

- All India weather summary and forecast bulletin, India meteorological department

- Postman documentation

- Gradio documentation