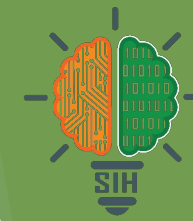


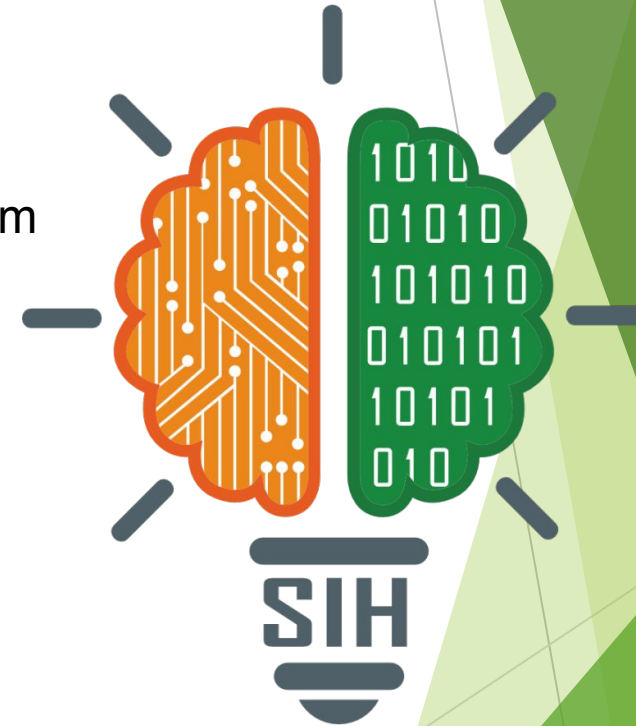
SMART INDIA HACKATHON 2024



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HACKATHON
2024

Internal Hackathon

- Problem Statement Title** - AI-Enhanced Healthcare
Diagnostics and Management System
- Theme** - MedTech
- PS Category** - Software
- Team ID** - # 261 (as in excel sheet)
- Team Name** - DheetCoderz



“AI-Enhanced Healthcare Diagnostics and Management System”

❖ Proposed Solution

- **Accessibility to Healthcare:** for people in remote areas or with limited access to healthcare to get initial information about their symptoms
- **Early Detection:** Can help identify potential diseases early.
- **Peace of Mind:** Offers reassurance to individuals who may be concerned about their health.
- **Empowers Patients:** Enables patients to become more involved in their healthcare
- **Reduces Healthcare Costs:** It can help reduce unnecessary doctor's visits and tests, potentially saving money.

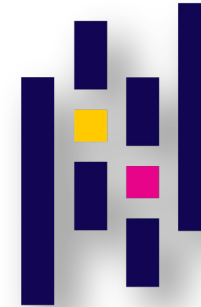
TECH-STACK USED



PYTHON



FLASK



PANDAS



LIBRARIES



NLTK

TEXTBLOB

FUZZYWUZZY

RegEx

FLASK_CORS

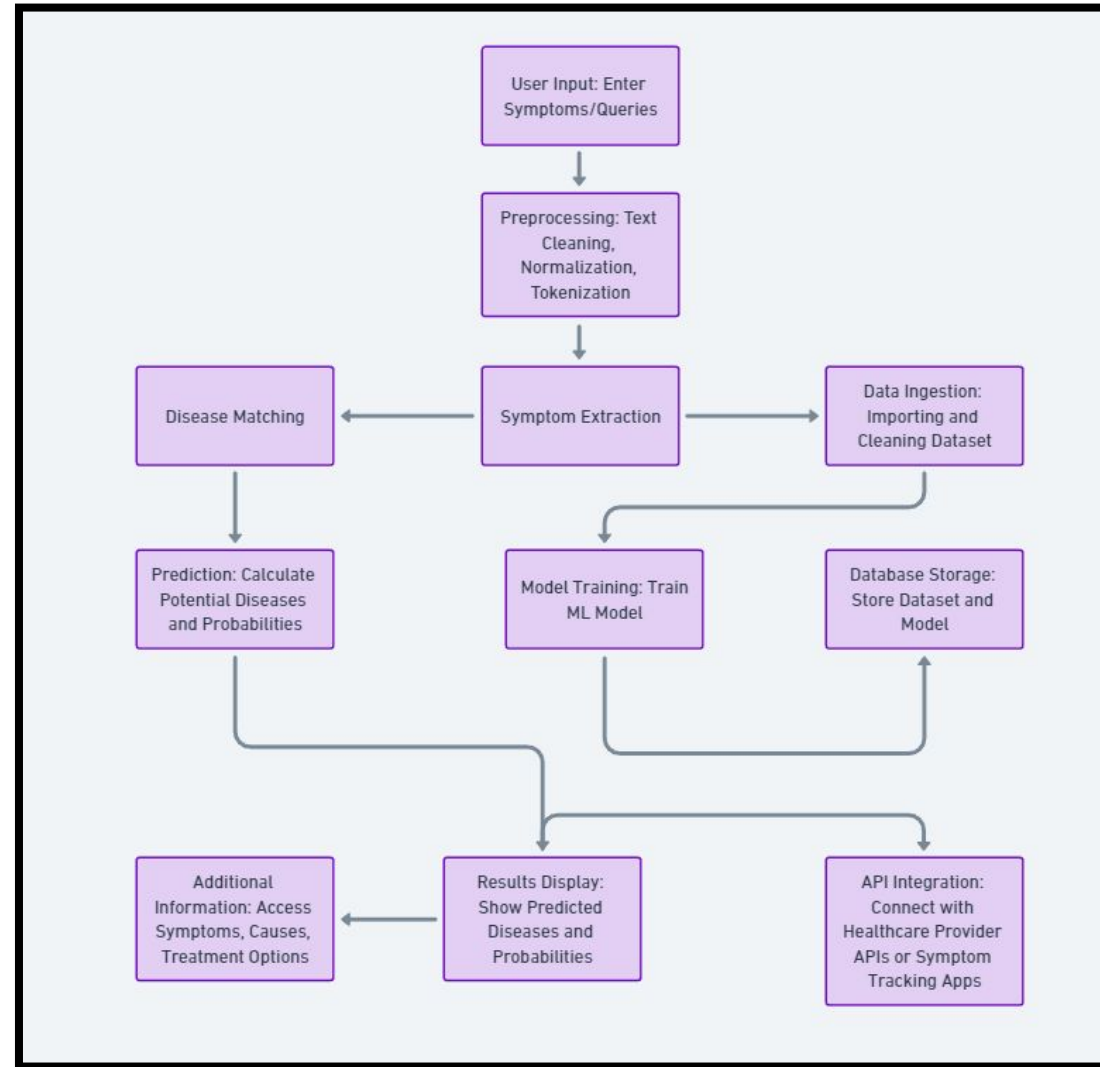
FEASIBILITY AND VIABILITY

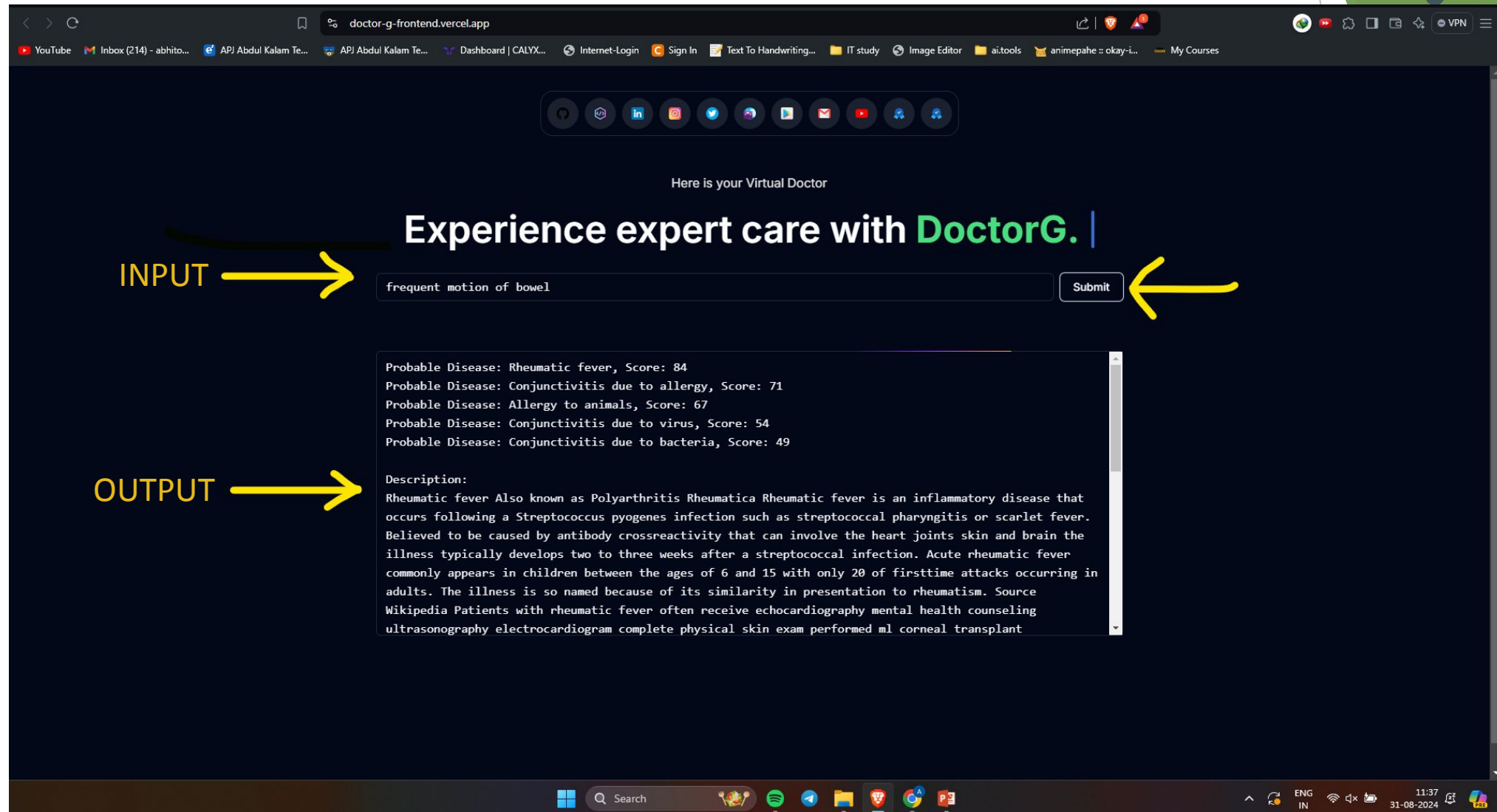
Feasibility:

- **Technical Feasibility** : With machine learning libraries (like TensorFlow, Scikit-learn) and natural language processing tools (like NLTK), creating a disease prediction website is technically feasible.
- **Data Availability** : Access to a comprehensive and accurate dataset might be available from medical research institutions or public health organizations.

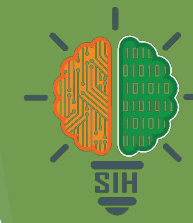
Viability:

- **Market Demand** : There is a potential market demand for such a tool, especially in areas with limited access to healthcare
- **Ethical Guidelines** : Adhering to ethical guidelines and ensuring data privacy is essential for building trust with users.





DheetCoderz



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Thank
you