

WiDS Project Report

Chatbots for PDFs and Videos

Mentee Name: Jayesh Ahire

Mentor Name: Krishanu Das

Resources used:

For Streamlit:

Streamlit Official Documentation:

[Streamlit Documentation](#)

Articles:

[Building Interactive Dashboards with Streamlit on Towards Data Science](#)

For SpaCy:

spaCy Official Documentation

[Spacy Documentation](#)

For Machine Learning:

[Machine Learning by Andrew Ng on the Coursera YouTube channel](#)

The famous Machine Learning course by Andrew Ng from Stanford University.

Python:

[CS50's Introduction to Computer Science by Harvard University](#)

The full CS50 course, covering various aspects of computer science.

NLP and Embeddings:

[Word Embeddings in NLP](#) on Towards Data Science

[Building a Chatbot with Streamlit and Python](#) by Alejandro AO – Software & AI

Throughout this project, I embarked on a profound learning journey that not only enriched my technical skills but also tested my problem-solving abilities. Initially, I grappled with understanding the intricacies of PDF processing, NLP, and embedding techniques. The challenge of integrating different technologies into a cohesive system was indeed daunting.

However, I navigated through these difficulties by immersing myself in online tutorials and documentation. The supportive community forums, particularly on platforms like Stack Overflow, provided valuable insights and guidance. As I delved deeper into the project, breaking down complex tasks into smaller, manageable steps became my go-to strategy. This approach not only facilitated better understanding but also enhanced the overall project workflow.

Successfully completing the project has left me feeling not only accomplished but more confident in my abilities. The satisfaction derived from overcoming obstacles and creating a functional chatbot using Python, Spacy, and Streamlit is immeasurable. This experience has reinforced my belief in the power of continuous learning and hands-on projects, pushing me to explore even more challenging endeavors in the future.