

 DR. D. Y. PATIL INSTITUTE OF ENGINEERING, MANAGEMENT AND RESEARCH	Dr D Y Patil Pratishthan's Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune	DI No.: ACAD/DI/72
Academic Year: 2025-26	Weekly Report Format for Internship	Revision : 00 Dated : 20/11/2019
Term - II	Department : Computer Engineering	Date of Preparation : 14/02/2026

Weekly Report Format for Internship

Roll No: 23101

Name of the Student: Ruhan Saad Dave

Name of the Company: CODTECH IT SOLUTIONS PVT.LTD

Domain of Internship: Artificial Intelligence

Name of the Internal Guide: Akanksha Kulkarni

Name of the External Guide: Neela Santhosh Kumar

Duration of Internship: 03 Jan 2026 to 14 Feb 2026

Week-V Dates: 31/01/2026 to 07/02/2026

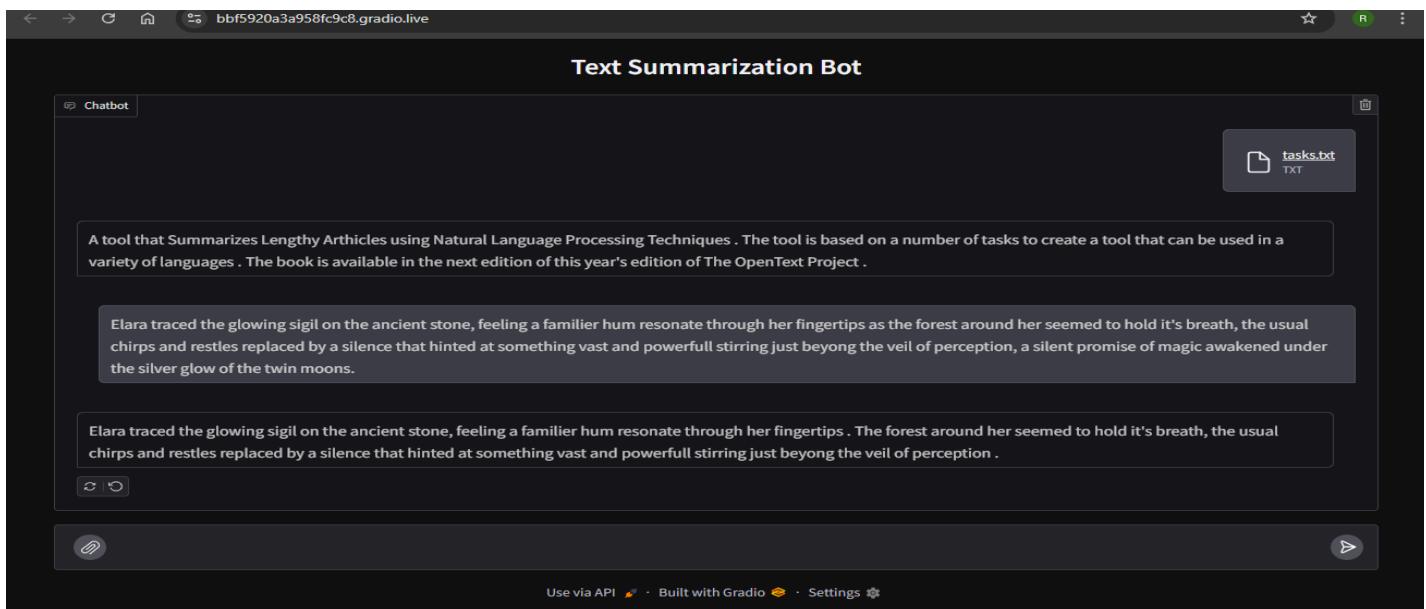
Description of Work Done Till Date (Week 5):

UI Development and Advanced Features (Task 1 & 4):

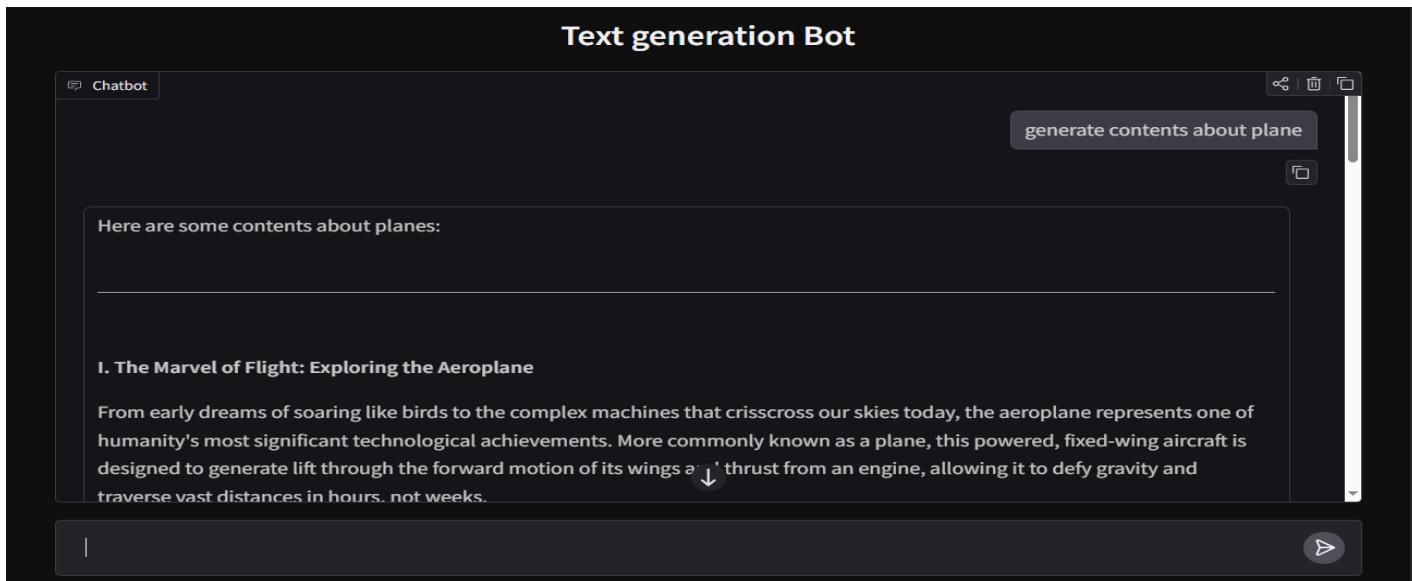
- Task 1 (Text Summarization):
 - Significantly upgraded the tool by building a user-friendly interface with Gradio's 'ChatInterface'.
 - Implemented a feature to handle both text input and file uploads (PDFs and text files).
 - Used the 'PyMuPDF' library to extract text from uploaded PDF files.
 - The system now intelligently detects whether the input is plain text or a file and processes it accordingly before summarization.
- Task 4 (Generative Text Model):
 - Enhanced the model by integrating it with a Gradio 'ChatInterface', providing a much-improved user experience over the initial version.

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Supporting Documents:



The screenshot shows a web-based application titled "Text Summarization Bot". It features a "Chatbot" tab and a file input field for "tasks.txt". Below the input area, there are two text boxes containing summaries of a given paragraph. The first summary is a longer, more detailed version, while the second is a shorter, more concise one. At the bottom, there are links for "Use via API", "Built with Gradio", and "Settings".



The screenshot shows a web-based application titled "Text generation Bot". It features a "Chatbot" tab and a button labeled "generate contents about plane". Below the button, a text box displays the generated content, which includes a heading "I. The Marvel of Flight: Exploring the Aeroplane" and a descriptive paragraph about the history and technology of aeroplanes.

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Text generation Bot

Chatbot

A Brief History of Aviation:
 The journey began with pioneers like the Montgolfier brothers and their hot air balloons, but powered flight truly took hold with the Wright brothers' historic flight in 1903. Over the subsequent decades, rapid advancements during two World Wars accelerated development, leading to jet engines, sophisticated aerodynamics, and the rise of commercial aviation.

Anatomy of an Aircraft:

- **Fuselage:** The main body of the plane, housing the cockpit, passenger cabin, and cargo.
- **Wings:** Crucial for generating lift, often containing fuel tanks and housing engines.
- **Tail (Empennage):** Comprising the vertical stabilizer (fin) and horizontal stabilizer, it provides stability and control.
- **Engines:** Providing thrust, typically propeller-driven or jet engines, they propel the aircraft forward.
- **Landing Gear:** Wheels or skids used for take-off, landing, and ground maneuvering.
- **Control Surfaces:** Ailerons, elevators, and rudders manipulate airflow to steer the plane in three dimensions.

Types of Planes:

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Student Sign

Internal Guide Sign