

Chatbot (Assignment 1)

Group Members:

Name	Roll
Mosamma Sultana Trina	BSSE-1313
Md. Mostafizur Rahaman	BSSE-1320
Fareya Azam	BSSE-1331

Project Overview:

Chatbot is an online assistant that allows users to have real-time conversations with artificial intelligence through a simple and friendly website. It understands user messages and responds instantly with meaningful, human-like answers. The chatbot is easy to use, visually appealing and works smoothly. It demonstrates how AI can make communication more interactive, helpful, and enjoyable for everyone.

Technology Stack:

Frontend: React 18, Tailwind CSS, Lucide React, Custom Hooks

Backend: FastAPI, OpenAI Python Client, CORS Middleware

Development Tools: Node.js, Python 3.13, Git

AI Model Source: Google Gemini API

Key Features:

- Understands user messages and responds naturally.
- Generates clean, organized and readable text for better clarity.
- Can write and explain code snippets in multiple programming languages.

How to Chat:

Type a message → press Enter or click Send button → view AI response.