Muskan

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PROFILE

Final-year B.Tech CSE (Data Science) student skilled in Python, Web Development, and Machine Learning. Experienced in building and deploying full-stack applications using Flask/Streamlit. Strong interest in scalable real-world solutions and data-driven systems.

PROJECTS

ZenBot
Your Digital Therapist
Developed and deployed a full-stack mental wellness web app using Flask, integrating Google OAuth, dynamic mood tracking, personal diary logging, and SQLAlchemy with deployment on Render. Link: ZenBot

VitaSense
ML-based Cancer Risk & Awareness Web App
Developed a web app using Flask and a trained Random Forest model to assess cancer risk based on user symptoms. Includes state-wise oncologist directories, educational videos, and myth-busting resources. Deployed on Render. Link: VitaSense 🔗

SummarEase
NLP-based Document Summarizer
Built a web application using FastAPI and NLP to generate concise summaries and keywords from documents, with OCR support for scanned files. Deployed on Render. Link: SummarEase 🔗

ClariFi
Background Noise Cancellation
Developed and deployed a Flask-based web application using Render that removes background noise from uploaded audio as well as video files using Python's noisereduce library. Link: ClariFi 🔗

PDF to Audiobook
Text-to-Speech Accessibility Tool
Built and deployed a web application using Streamlit that converts PDF documents into audiobooks using Google Text- to- Speech (gTTS). Link: pdf-to-audiobook 🔗

SKILLS

Web App Development: Flask, Streamlit, HTML, CSS Programming

Programming Languages: Python, C, C++, SQL

Data Science & Machine Learning: Pandas, NumPy, Seaborn, Matplotlib, Noisereduce, Random Forest

Core Concepts: Data Structures & Algorithms, Basics of Machine Learning

Tools & Platforms: GitHub, VS Code, Jupyter, Render

Soft Skills: Communication, Presentation, Critical Thinking, Team Leadership, Adaptability

EDUCATION

B.Tech in Computer Science (Data Science)   2022 – 2026
B K Birla Institute of Engineering and Technology
Current CGPA: 8.75

ACHIEVEMENTS

- Selected for Smart India Hackathon (SIH)– Led a team project on a Bus Scheduling System, optimizing route planning and presenting to faculty.
- Certified in Python, C, C++ and Machine Learning fundamentals.

INTERESTS

Enthusiastic about research, exploring new technologies and passionate about reading books