MANOTOSH MANDAL

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Education

Bachelor of Engineering in Data Science, Atria Institute of Technology	Expected 2027
Senior Secondary Education Examination, Kendriya Vidyalaya Babina Cantt	2022
Secondary Education Examination, Kendriya Vidyalaya Babina Cantt	2020

Skills

Technical Skills: Python, MySQL, Spring Boot, HTML, CSS, JavaScript, Flask, Pandas, NumPy, Matplotlib, MS-Office.

Soft Skills: Strong problem-solving and analytical abilities, Good communication and teamwork skills, Adaptable and quick learner, Leadership and mentoring.

Projects

- **Age and Gender Detection:** This project performs real-time **gender and age detection** using a webcam feed with OpenCV's deep learning module (cv2.dnn). It uses pre-trained models to detect faces and then predict the gender and age of each detected face.

  Tech Stack: Python 3, OpenCV

  GitHub: https://github.com/monu754/Age-and-Gender-Detector

- **LuminAI**: AI ChatBot is an advanced web-based chatbot application that uses a hybrid approach to answer user queries:

  Tech Stack: **Frontend: -** HTML5**,** CSS3 (Flexbox, Grid)**,** JavaScript (ES6, Fetch API)

  Backend: - Python 3**,** Flask**,** Flask-CORS**,** NLTK**,** scikit-learn**,** Together.ai API

  - **Local Knowledge Base**: First checks responses from chatbot.txt using NLP techniques
  - **Together.ai Fallback**: When no relevant answer is found locally, queries Together.ai's powerful language models

  GitHub Link: https://github.com/monu754/ChatBot

- **Food Delivery WebApp(Delish Bites):** Developed a **Food Delivery Website** using **HTML, CSS, JavaScript** for the frontend, **Java** for the Backend and ours website uses **Spring Boot with MySQL**, ensuring full control over user data.

  Tech Stack: Html, CSS, JS, Java, Spring Boot, MySql

  GitHub link: https://github.com/monu754/FoodDeliverySystem

Certificates

Python for Data Science

Python and Flask Framework

Introduction to Machine Learning

Leadership

Leading AI/ML projects, mentoring peers in **data science and web development**, organizing **hackathons and workshops**, and collaborating on innovative **AI-driven solutions** as the **Tech Lead** of my college's **AI Code Club**.