MOHIT SAHGAL

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Education

Disha Bharti College of Management and Education, Saharanpur, India **2020 - 2023**
- BSc(CS) | CGPA: **9**

D.A.V Public School, India **2019 - 2020**
- *CBSE (Class XII), Aggregate: 70%*

D.A.V. Public School, India **2017 - 2018**
- *CBSE (Class X), Aggregate: 84%*

Skills

Python | Langchain | Pytorch | Machine Learning | IOT | C | C++ | Linux | MySQL | Git | Docker

Projects

TYPIST – Personalized Content Generation Web App — Oct' 24

Developed a web application that enabling users to generate personalized posts on variety of topics. The app utilizes few-shot learning to tailor content based on minimal input, providing high-quality and contextually relevant posts.

- Integrated Langchain to interface with large language models for text generation and personalized responses.
- Incorporated few-shot learning techniques to personalize content, using minimal user inputs to generate highly relevant posts.
- Developed a user-friendly web interface for easy interaction and content generation.
- Optimized the content generation process for performance and relevance.

Technologies Used: Langchain, Gemini, Few-shot Learning, Python, HTML, CSS

KHABRI – News Research Tool — Nov' 23

Developed a web-based news research tool using Streamlit and Langchain, enabling users to extract insights from multiple news articles by processing URLs and querying content.

- Processed up to three URLs simultaneously, enabling quick insights extraction.
- Reduced query response time significantly through optimized embedding storage using FAISS.
- Contributed to improved user engagement by allowing dynamic interaction with news content.

Technologies Used: Streamlit, Langchain, OpenAI API, FAISS, Python

PROXY – Face Attendance System — Mar' 23

Developed a Face Attendance System that automates employee or student attendance using facial recognition technology. The system Captures images of individuals, compares them against a pre-existing database, and marks attendance.

- Used OpenCV to process images and detect faces in real-time.
- Implemented KNeighbors Classifiers to recognize known faces and mark attendance accurately.
- Developed a user-friendly web interface using flask to interact with the System.
- Used Excel to store attendance data and user profiles in CSV file.

Technologies Used: OpenCV, Flask, KNeighbors Classifiers, MS Excel, Pandas, Numpy, Python, HTML