DEEPANSHU MIGLANI

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Education

UPES, Dehradun- India   **2022- 2026**
- CSE(AIML)| CGPA: **7.56**

Siddhartha Public School, New Delhi - India   **2021-2022**
- *CBSE (Class XII), Aggregate:67%*

O.S.D.A.V. Public School, Kaithal- India   **2019-2020**

- *CBSE(Class X), Aggregate:83%*

Skills

- **Languages:** Python | JavaScript | HTML5 | CSS
- **Framework:** React | MongoDB | Node.js | Flask | Streamlit
- **Database:** MySQL | MongoDB | SQLite

Key Projects

1. Design and Development of Home Essentials E-commerce website (During internship)

Link- Github

MiglaniHomeEssentials is an ecommerce platform built with Flask for shopping home appliances. It features user authentication, product search, order management, and an admin portal for managing products and orders**.**

- **Key Features**: It provides secure user authentication, efficient product search functionality, streamlined order management, and a dedicated admin portal for easy product and order management.
- **Technologies Used:** HTML, CSS, JavaScript, Flask(Python), SQLite

2. Design and Development of Tweet-Emotion Classifier

Link -Github

This project focuses on classifying emotions from tweets using various machine learning models, including fine-tuned BERT, custom BERT, Random Forest, SVM, Logistic Regression, and Naive Bayes. The project includes a Streamlit web application for easy interaction and visualisation of the classification results.

- **Key Features :** Real-time emotion classification with high accuracy
  Comparison of multiple models for performance evaluation
  Detailed performance metrics and visualisation

- **Technologies :** Python, PyTorch, Transformers (Hugging Face)
  Scikit-learn, Pandas, NumPy
  Streamlit for web application
  Joblib, Pickle for model serialisation
  HTML, CSS for front-end design

3. Travel Planner   **March 24 - Present**

Developed a personalised travel planner website to assist users in creating itineraries, booking events, and discovering local experiences.

- **Key Features**: Implemented user registration, chat-bot for itinerary generation, event booking, and integration of Google Maps API for location details.
- **Technologies Used:** HTML, CSS, JavaScript, Node.js.
- **Future Enhancements:** Plans include expanding to multiple destinations, real-time weather updates, hotel booking integration, and improving chat-bot functionality.

Internship

- Internship on Python and Machine Learning at Bahash Private Limited   **21/05/2024 - Present**

Responsibility

- **Organising committee member in HACKATHON 7.0, HACKATHON 8 .0, and UHACKATHON 4.0, ICMLDE Conference.**

- **UPES CSI | Associate, Registration Head -** Managed participant registration and database maintenance for technical events, hackathon ensuring efficient processes and data accuracy.