Nikit Singh Bisht

Email: nikitsinghbisht@gmail.com

Linkedin

GitHub

Mobile: +91 9548322689

EDUCATION

Graphic Era Hill University — Dehradun, India
Bachelor of Technology - CSE: CGPA: 8.07 — **August 2022 - Present**
S.D Inter College — Karanprayag, Uttrarkhand
Higher Secondary Education (12th) – Science Stream; Percentage: 69% — **July 2022**
Iris Public School — Srinager, Uttarakhand
Secondary Education (10th); Percentage: 67% — **July 2020**

SKILLS SUMMARY

- **Languages**: C, C++, JavaScript, Python, SQL, Html, Css
- **Frameworks**: Pandas, Numpy, Scikit-Learn, Matplotlib, Tensorflow, keras
- **Tools:** Jupyter Notebook, Visual Studio Code, Google Colab, Intellij IDEA, Oracle SQL
- **Soft Skills**: Problem-Solving, Critical Thinking, Effective communication, Team Collaboration, Adaptability

PROJECTS

Face Mask Detection System | LINK — **January 25 - February 2025**

- Achieved 94% accuracy in detecting face mask usage by utilizing the VGG16 architecture for effective classification.
- Developed a real-time face mask detection system to identify individuals wearing face masks using computer vision techniques.
- Implemented face detection using the Haar Cascade classifier (haarcascade_frontalface_default) for precise identification of faces in images and videos.
- Employed Python, TensorFlow, and OpenCV libraries for deep learning and image processing tasks.

Emotion Detection System using CNN | LINK — **November 24 - January 2025**

- Achieved 69% accuracy in emotion prediction by performing hyper parameter tuning to optimize model performance.
- Utilized a pre-trained ResNet50 architecture to enhance the model's accuracy and leverage transfer learning benefits.
- Developed an advanced system to detect emotions from facial expressions, classifying emotions such as Angry, Happy, Neutral, Sad, and Surprise.
- Employed Python, TensorFlow, and OpenCV libraries for deep learning and image processing tasks.

Movie Recommendation System | LINK — **August 24- September 2024**

- Developed a personalized movie recommendation tool using content-based filtering to suggest similar movies based on user input.
- Utilized the IMDb 5000 popular movies dataset to provide accurate recommendations without relying on external APIs..
- Implemented text preprocessing techniques to clean and structure movie metadata for similarity calculations.
- Applied cosine similarity to compare movie features and generate highly relevant recommendations.

YouTube Sentimental Analyzer | LINK — **April 24 - May 2024**

- Achieved an 85% accuracy in sentiment analysis by training a model on a dataset of 25,000 movie review comments.
- Utilized YouTube API to fetch user comments, video details, likes, and views, enabling real-time sentiment prediction.
- Implemented text preprocessing techniques using NLP to remove noise, tokenize text, and standardize data for improved model performance.
- Developed and trained a Naive Bayes classifier, optimizing it for movie trailer sentiment classification.

CERTIFICATES

Google Cloud Computing Foundations (Swayam) | CERTIFICATE — **March 2023**

- Acquired foundational knowledge in cloud computing, covering basic concepts and services of Google Cloud Platform (GCP).
- Familiarized with deploying applications and managing resources in a cloud environment.

Enhancing Soft Skills and Personality (Swayam) | CERTIFICATE — **March 2024**

- Developed essential soft skills, including effective communication, teamwork, and interpersonal skills.
- Improved self-awareness and emotional intelligence to enhance personal and professional interactions.