



Shreeaansh Goel

Roll No.:22251

B.Tech - Electronics and Communication Engineering
Indian Institute Of Information Technology, Una

+91-8957953683

goelshreeaansh@gmail.com

Github

linkedin.com/in/ShreeaanshGoel

Education

Indian Institute of Information Technology, Una

Bachelor of Technology in Electronics and Communication Engineering

Sri Ram Education Centre, Kanpur (CBSE)

Nov 2022 - Jun 2026

Una, Himachal Pradesh

Apr 2019 - Jun 2022

Kanpur, Uttar Pradesh

Projects

Smart Video Search Navigator / Deep Learning, Transformers, Multimedia Processing, Speech-to-Text

[Github](#)

- Utilized moviepy to extract audio from video files and Google Speech Recognition for speech-to-text conversion, enabling multimedia processing..
- Employed BERT for text embeddings and cosine similarity for semantic search, enhancing search accuracy with context-based understanding.
- Integrated moviepy to jump to relevant video timestamps based on keyword searches, improving video navigation efficiency.

Image Caption Generator / Deep Learning, RNN, CNN, Transformers, Transfer Learning

[Github](#)

- Developed a deep learning model combining RNNs, CNNs, and Transformers to generate descriptive image captions.
- Implemented EfficientNet B0 and attention mechanisms (Transformers) to enhance caption coherence and contextual relevance.

Gesture Vision Desktop Control: Hands-Free Interaction / Python, OOP, OpenCV, Mediapipe, PyAutoGUI

[Github](#)

- Designed a computer vision-based system for hands-free desktop navigation using intuitive hand gestures via OpenCV and Mediapipe.
- Enabled barrier-free interaction with digital environments, making computing more accessible and user-friendly.

Virtual Wear / Python, OpenCV, Mediapipe, PyAutoGUI

[Github](#)

- Developed a platform that uses computer vision to allow users to virtually try on clothing by superimposing apparel onto their images.
- Aimed to boost online shopping confidence by providing a lifelike preview of clothing items.

Technical Skills

Languages: C, C++, Python, Javascript

Technologies: Machine Learning, Deep Learning, TensorFlow, Keras, Numpy, Pickle, Pandas, Sci kit, OpenCV, PyAutoGUI, MediaPipe, HTML, CSS, Bootstrap, Node.js, Express.js, React, MongoDB, MATLAB

Tools: Anaconda, Microsoft Office, Visual Studio Code, PyCharm, Kaggle, Google Collab, Git/GitHub

Concepts: Data Structures and Algorithms, Object Oriented Programming(OOP)

Achievements & Positions of Responsibility

- Solved problems across different platforms Leetcode, Codeforces and Codechef(2 - Star at codechef).
- Participated in Elechthon 6.0, a hackathon held at NIT Hamirpur.
- Developed proficiency as a MERN Stack Web Developer.
- Passionate Machine Learning and Deep Learning enthusiast.

Employment History

- No prior work experience.
- Enthusiastic and motivated to contribute, learn, and grow in a dynamic environment.

Hobbies

- Participating in coding exercises to enhance programming skills.
- Exploring virtual reality (VR) and its evolving applications.
- Maintaining a healthy lifestyle through regular strength training and cardiovascular exercises.
- Enjoying the rich storytelling and artistry of manga.