

Shreeaansh Goel

+91 8957953683

goelshreeaansh@gmail.com

linkedin.com/in/ShreeaanshGoel

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Education

Indian Institute of Information Technology, Una
Bachelor of Technology in Electronics and Communication Engineering
Sri Ram Education Centre, Kanpur (CBSE)

Nov 2022 - May 2026
Una, Himachal Pradesh
April 2019 - June 2022
Kanpur, Uttar Pradesh

Projects

Book Allocation System / *Machine Learning, Web Development, Pickle*

- Innovated a Book Allocation System using machine learning elevating the library experience with personalized book experience.
- Engineered a captivating recommendation system, utilizing advanced algorithms for tailored book suggestions that captivate engage users.
- Implemented linear regression to predict and recommend books based on user preferences and behaviors.
- Performed extensive data cleaning and filtering to ensure the accuracy and reliability of the recommendation system.

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

- Utilizing advanced hand tracking technology, this system enables users to effortlessly navigate their desktop environment with intuitive hand gestures.
- Develop a computer vision-based system for hands-free control of computers.
- The project aims to eliminate barriers between users and their digital environments, making computing more accessible and user-friendly.

Virtual Wear / *Python, OpenCV, Mediapipe, PyAutoGUI*

- Virtual Wear aims to revolutionize the online shopping experience by offering users a seamless and interactive platform to virtually try on clothing items.
- Virtual Wear utilizes computer vision and machine learning to allow users to upload their photos and virtually try on shirts by superimposing them onto their images.
- Virtual Wear aims to offer users a lifelike preview of clothing items to boost confidence in online purchases and reduce reliance on physical try-ons.

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

- Developed a deep learning model combining Recurrent Neural Networks (RNNs) and Convolutional Neural Networks (CNNs) to generate descriptive captions for images.
- Implemented CNNs, RNNs, EfficientNet B0, and Transformers to enhance the caption generation process.
- Incorporated attention mechanisms (Transformers) to improve the coherence and contextual relevance of the generated captions.

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

Achievements & Positions of Responsibility

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

Employment History

- I don't have any prior work experience.
- But I am an enthusiastic and motivated individual, eager to seek and opportunity to contribute, learn and grow in adynamic environment.

Languages

- English
- Hindi

Hobbies

- Consistently participate in coding exercises to enhance programming skills and problem-solving abilities.
- Enthusiastically explore the immerse world of VR , demonstrating a keen interest in its evolving applications.
- Passionate about maintaining a healthy lifestyle through regular strength training and cardiovascular exercises.
- Enjoys immersing in the rich storytelling and unique artistry of manga.