Sparsh Goyal

Data Scientist, Data Analyst
Bachelor of Technology
Computer Science and Engineering

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EDUCATION

•**Bachelor of Technology in Computer Science and Engineering** *2021-25*
J.C. Bose university of science and technology , YMCA , Faridabad Current CGPA: 8.5

•**High School (Class XII)** *2021*
Dynasty International School, Faridabad Percentage: 91%

EXPERIENCE

Computer Vision Intern *25th June - 23 July 2024*
GreenTech ITS On-site

- Worked on a project for detecting suspicious activity, such as shoplifting, in stores using YOLOv8 for pose estimation and action recognition.
- Learned about Apache Kafka and worked on real-time multiple camera streaming with face recognition

PERSONAL PROJECTS

•**Pedestrian Detection and Counting** *DEMO LINK*

Project involves pedestrian detection and counting the pedestrians crossing a line in video footage.

- Fine-tuned a pre-trained YOLOv8 model for pedestrian detection and utilized the YOLOv8 Object Counter to count pedestrians crossing a specified line in the video.
- **Technologies Used:** Computer Vision   YOLO

•**English to Spanish Translation** *DEMO LINK*

This project translate English sentences into Spanish using a transformer model.

- Implemented a transformer architecture based on a research paper and used it for seq-to-seq translation.
- **Technologies Used:** PyTorch   Natural Language Processing (NLP)   Transformers

•**Dish Decoder** *DEMO LINK*

This is an end-to-end CNN Image Classification Model which identifies the food in your image

- It is based upon a pre-trained model EfficientNetB1 and then retrained on the Food101 Dataset and can identify over 100 different food classes
- **Technologies Used:** Tensorflow   Convolution Neural Network

•**Bike Share Data Analysis and Dashboard** *PROJECT LINK*

Analyzed bike share data using SQL and visualized the data using a dashboard created with PowerBI.

- The goal of the project is to uncover insights into bike usage patterns, rider demographics, and other relevant metrics.
- **Technologies Used:** SQL   Power BI

TECHNICAL SKILLS AND INTERESTS

–Python & its Libraries	–Data Analysis
–Machine Learning	–Data Visualisation
–Deep Learning & its frameworks	–SQL
–Computer Vision	–Statistics
–Natural Language Processing	–Web Scraping

LANGUAGES

- Hindi
- English
- Japanese (N5 level)

ACCOMPLISHMENTS

- Foundation Level Data Science Certificate - IIT Madras
- Saptrishi training program (AI-ML) - PMKVY 4.0, Skill-India, IIT Guwahati
- Japanese Language Proficiency - JLPT N5 Clearance