

Sparsh Goyal

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

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🔗 GitHub Profile
👨‍🍳 CodeChef Profile
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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: 8.45
- **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

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|---------------------------------|---------------------|
| –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