Shubham Kumar

B.Tech CSE, batch 2018-22

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EDUCATION

Indian Institute of Information Technology, Kalyani — Btech, CSE (CGPA - 8.44, till 6th sem)

2018 - 2022

H D Jain College, Ara — Senior Secondary(XII) (percentage - 70.04, Bihar Board)

2015 - 2017

M D J Public School, Ara — Secondary(X) (CGPA - 10)

PROJECTS

- **Video Classification for recognizing suspicious and normal activities for automating CCTV surveillance**
    - Created a dataset by taking relevant videos from different published datasets and youtube videos.
    - Used **VGG16** model to extract features.
    - Used **CNN** and **LSTM** based video methods to classify videos to different relevant classes for surveillance.
- **Real-time Object detection**
    - Created Custom dataset by manually downloading labeled images of relevant class from **Open Image Dataset** of Google
    - Used **YOLO** CNN model on Custom dataset for real-time object detection.
- **Amazon product tracker**
    - Used **beautiful Soup** for web scraping to track the desired product on amazon and it notifies the user when the product is available.

PROBLEM-SOLVING SKILLS

- **3 star on CodeChef**
- **Solved over 300+ problems across different platforms like leetcode, SPOJ, codechef, codeforces**

RELEVANT COURSES

- **C++**
- **Data Structures and Algorithms**
- **Artificial Intelligence**
- **Operating Systems**
- **Computer Networks**
- **Database management system**
- **Machine Learning**

LANGUAGES

- **English**
- **Hindi**
- **Bhojpuri**

SKILLS

- **C++**
- **Problem Solving**
- **OOPs**
- **Python**
- **Data Structures and Algorithms**
- **Deep learning**
- **Machine Learning**