Shubham Kumar

4th year UG student | ✉ **mouar1998@gmail.com** | 📞 **+916204768445** | ⚫ **GitHub** | **in LinkedIn** | 📍 **Ara, Bihar, India**

EDUCATION

Indian Institute of Information Technology, Kalyani   **(2018-22)**
B.Tech. in Computer Science   CGPA: 8.44/10

H D Jain College, Ara   **(2015-17)**
Senior Secondary(XII) - Bihar Board   percentage : 70.04/100

M D J Public School, Ara   **(2014-15)**
Secondary(X) - CBSE   CGPA:10/10

PROJECTS:

- **Video Classification suspicious and normal activities for automating CCTV surveillance:**   (Jan-Mar '21)
  - Created a dataset by taking relevant videos from different published datasets and youtube videos.
  - Used transfer learning using different models such as **InceptionV3, VGG16** to **extract features** from videos.
  - Used custom **CNN, LSTM** to predict different actions and compared their accuracies.
  - Currently submitted for review for publishing the paper in the Journal of Real-time image processing.
  - Link to the submitted paper **(in-review currently)**
  - Demonstration and results

- **Real-time Object detection : (Github)**   (Sep-Nov '21)
  - 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.
  - Demonstration and Results

PROBLEM-SOLVING SKILLS:

- **3 Star** on Codechef.
- Solved 300 questions on Leetcode.
- Solved over 400+ problems across different platforms like leetcode, SPOJ, codechef, codeforces

SKILLS

i) Languages: C, C++, Python
ii) Frameworks: Django, Keras
iii) Technologies and other skills: Problem-solving, Data structures, and algorithms, Deep Learning, Backend Web development
iv) Tools/Platforms: git
v) Databases: MySQL

COURSES UNDERTAKEN

- **C**
- **C++**
- **Python**
- **Data structures and Algorithms**
- **OOPs**
- **Operating System**
- **Database Management System**
- **Computer Networks**

SPOKEN LANGUAGES

English, Hindi, Bhojpuri