EKANSH JAIN
Indian Institute Of Technology (IIT), Kharagpur,India
Contact: +9647591333 | **Email Id**: jainekansh00@gmail.com

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2023	B.Arch.(Hons)	Indian Institute Of Technology ,Kharagpur	8.57 / 10
2023	Mathematics And Computing (Minor)	Indian Institute Of Technology ,Kharagpur	8.0/10
2018	Senior Secondary (PCM)	Lords International School, Alwar	95.6%
2016	Secondary	Lords International School, Alwar	10 / 10

AWARDS AND ACHIEVEMENTS

- Ranked in **top 0.47 percentile** in **JEE ADVANCED** among **1.6 million** students appearing for the exam all over India
- Ranked **12th** in the Intra institute data analytics competition in which more than 400 submissions were made
- **Winner** of the summer internship **at LeadingIndia.ai** in which over 500 students and 100 teams compete.
- Holding the position of **Department Rank 5** in the batch of 2023 in Department of Architecture and regional Planning, IIT Kharagpur

SKILLS AND EXPERTISE

Programming languages: Python, C/C++, Kotlin, xml, Java, SQL   **Platforms:** Jupyterlab, Android Studio, Google Colab, Sublime
Libraries and Frameworks: Pandas, Numpy, Scikit-learn, Matplotlib, OpenCV, JSON, Tensorflow, Keras, Pytorch, nltk, Flask
Personal Skills: Microsoft Suite, Critical Thinking, Market Research, Data Analysis, Photoshop, Graphic Design

PUBLICATIONS

- Sahil Jethani, Ekansh Jain, Irene S. Thomas, Harshitha Pechetti, Bhavya Pareek, Priyanka Gupta, Gaurav Singal **"Surveillance System for Monitoring Social Distance"** 10th International Advanced Computing Conference (IACC 2020) *(Accepted for publication in CCIS Series of Springer)* **[Link to Paper]**

PROJECTS

- **Social Distancing Monitoring System** **[Link to Project]**

  Developed a Social Distancing Monitoring System that could be deployed in overhead surveillance devices like UAV, CCTV etc.

  It marks the people not following specified social distancing norm with a red bounding box around them.

  Used Yolov4, tiny yolov3 for object detection and Opencv for video and image manipulation.
- **Self-driving car Udacity's simulator** **[Link to Project]**

  Used the Udacity's Self driving car simulator and trained a CNN model which predicts the steering angle corresponding to a particular image from camera at the center of the car's bonnet.
- **Traffic Sign Classifier** **[Link to Project]**

  By using CNN Architecture build a model that can classify the image of the traffic sign from 43 classes.
- **Ham spam Email Classifier** **[Link to Project]**

  Model which can help you in recognizing whether the give email is legitimate (ham) or not. Used countvectorizer and tfidfvectorizer and compared the accuracy of both on different classifiers including decision tree, random forest, passive aggressive etc.
- **Customer Life Time Value Prediction** **[Link to Project]**

  Model made for an insurance company to predict the CLTV that can help company in predicting loyal and precious customers.
- **Stock market Prediction using Numerical and Textual Analysis** **[Link to Project]**

  A hybrid model for stock price/performance prediction using numerical analysis of historical stock prices, and sentimental analysis Of news headlines. Stock taken to analyze and predict (SENSEX)

RELATED COURSEWORK

Programming and Data Structures	Deep Learning	Probability And Statistics	Linear Algebra
Design & Analysis Of Algorithms	Machine Learning	Engineering Mathematics	Android Development
Database Management System	Computer Vision	File Organization	Applied Data Science

EXPERIENCE

- Summer Internship at **LeadingIndia.ai** [May 2020- July 2020]
  Developed a Social Distancing Monitoring System that could be deployed in surveillance devices like UAV, CCTV etc.
  Was declared winner of the summer internship in which more than 600 students participated.
- Member at **Electric Vehicle Group (EVG) , IIT Kharagpur** [February 2020-July 2020]
  Part of the design team and is currently working on building the outer body of the electric 3 wheeler named project **Deshla** considering aerodynamic as well as aesthetic aspects.
- Member at **Kharagpur Data Analytics Group, IIT Kharagpur** [October 2019-July 2020]
  Part of the team that Conduct sessions on machine learning and Data Analysis in the institute as well as pre placement workshop
- Summer Trainee at **LearnCodeOnline** [May 2019- July 2019]
  Completed projects in summers of 2019 on Web Scraping, Face Recognition, Traffic Sign Classifier, Autonomous Cars with the help of deep learning models and various libraries such as numpy, keras and tensorflow. All the projectes are uploaded on my github profile.