KARTIKAY GUPTA

Third Year Undergraduate
Btech
Department of Mechanical Engineering
Indian Institute of Technology Patna

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ACADEMIC RECORD

COURSE	INSTITUTE	YEAR	CGPA/%
Bachelor of Technology	Indian Institute of Technology Patna	2018 till date	**7.32**
Class XII (CBSE)	Silver Bells High School, Gwalior	2018	**93.4 %**
Class X (CBSE)	Little Angels High School ,Gwalior	2016	**9.6**

INDUSTRIAL TRAINING & INTERNSHIPS

B-Aegis Life Sciences & Research :   *May-June 2020*

Developed a web based application that triggers on coughing sound. Converted audio into mel-spectograms and then used CNN based architecture to identify cough sound .
github.com/kartikay-99k/Cough-detector-app

TECHNICAL SKILL

Programming languages : C , C++, Python, SQL.

Tools/Libraries : Tensorflow , Keras , Scikit-learn, Excel.

Abilities/Skills : Data visualization , Data analysis , Deep learning , Computer vision , Machine learning.

PROJECTS AND WORK EXPERIENCE

Note separator:

Students Developer club   *May- July 2019*

Developed an image classifier which detects whether the given image is a note or non-note. Implemented CNN architectures and used image augmentation techniques to improve accuracy.
github.com/kartikay-99k/Notes-Separator

Machine Learning Competition:

Hackerearth   *Jan-Feb 2020*

Made a machine learning model which predicts severity of airplane crash. Used and learned various types of classifiers and data pre-processing techniques. Implemented Boosting and Stacking classifier techniques to enhance model performance.
github.com/kartikay-99k/ML-competition-hackerearth

Crime prediction and Data analysis:

Course Project (CS-244)   *March-May 2020*

Forecasting crime in city of Chicago by applying various ML algorithm like SVM , Random forest , MLP , Decision Tree etc . And Analysing rise and fall of crimes in specific areas over the years**.**
github.com/kartikay-99k/Crime-forecating-CS-244-project

Flipr Hackathon:

Machine Learning challenge   *Sep 2020*

Forecasting covid-19 cases in the month of October in different cities of India using regression and time series .
github.com/kartikay-99k/Flipr-hackathon

ACHIEVEMENTS

Data science contest (Hackerearth) : Secured global rank of 627.
Joint Entrance Examination 2018 : Secured All India Rank 6547 among 1.25 million candidates appearing for the test

KEY COURSES TAKEN

1. Image Understanding with TensorFlow on GCP	2. Financial economics(HS-301)
3. Natural Language Processing in TensorFlow	4. Data structures(CS-101)
5. Sequences, Time Series and Prediction	6. Data Science (CS-244)
7. Finance for Non-Finance Professionals	8. Macro-economics(HS-201)

OTHER SKILLS : Time management, Team work, Good Presentation skills, Proficient in verbal communication.