

KARTIKAY GUPTA

Sophomore 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	7.18
Class XII (CBSE)	Silver Bells High School, Gwalior	2018	93.4 %
Class X (CBSE)	Little Angels High School ,Gwalior	2016	9.6

INDUSTRIAL TRAINING & INTERSHIPS

B-Aegis Life Sciences & Research :

May-June 2020

Developed a web based application that triggers on coughing sound. Converted audio into mel-spectrograms 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 , Flask , Scikit-learn, Power BI, 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
3. Natural Language Processing in TensorFlow
5. Sequences, Time Series and Prediction
7. Finance for Non-Finance Professionals

2. Financial economics(HS-301)
4. Data structures(CS-101)
6. Data Science (CS-244)
8. Macro-Economics(HS-202)

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