**KARTIKAY GUPTA**

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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 & 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](https://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](https://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](https://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 areasover the years**.**

[github.com/kartikay-99k/Crime-forecating-CS-244-project](https://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](https://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 Professionals8. Macro-economics(HS-201)

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