

## **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	<b>7.29</b>
Class XII (CBSE)	Silver Bells High School, Gwalior	2018	<b>93.4 %</b>
Class X (CBSE)	Little Angels High School ,Gwalior	2016	<b>9.6</b>

## **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 , Scikit-learn, Excel, Tableau.

**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.

### **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 areas over 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)

### **ZS Campus Beats 2021:**

Business Case Study Challenge

21<sup>st</sup>-22<sup>nd</sup> March 2021

Solved Business case challenge for Pulse Beverage in 48 hrs using Tableau, Excel, SQL and came up a with optimized Business solutions by generating insights from given data related to Sales, Promotional strategy, Customers etc.

## **KEY COURSES TAKEN**

- |   |                                |
|---|--------------------------------|
| 1. Image Understanding with TensorFlow on GCP | 2. Financial economics(HS-301) |
| 3. Natural Language Processing in TensorFlow  | 4. Financial analytics(HS-302) |
| 5. Sequences, Time Series and Prediction      | 6. Data Science (CS-244)       |
| 7. Visual Analytics with Tableau              | 8. Macro-economics(HS-201)     |

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