

KARTIKAY GUPTA

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

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SUMMARY

A versatile and focused individual with strong underpinning in Engineering and a flair for Business and Analytics. Have a proven ability to prioritize, solve and perform, with a sense of time management.

ACADEMIC RECORD

COURSE	INSTITUTE	YEAR	CGPA/%
Bachelor of Technology	Indian Institute of Technology Patna	2018 till date	7.29
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.

<https://github.com/kartikay-99k/Cough-detector-app>

TECHNICAL SKILL

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

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

Abilities/Skills: Data visualization, Data analysis, Machine learning .

PROJECTS AND WORK EXPERIENCE

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

ZS Campus Beats 2021:

Business Case Study Challenge

21st-22nd 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 useful insights from given data related to Sales, Promotional Strategy, Customers etc. Challenge consists of 3 parts Business Consultancy, Business Technology and Business Operations.

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

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

KEY COURSES TAKEN

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| 1. Sequences, Time Series and Prediction | 2. Financial economics(HS-301) |
| 3. Finance for Non-Finance Professionals | 4. Financial analytics(HS-302) |
| 5. Creating Dashboards and Storytelling with Tableau | 6. Macro Economics(HS-201) |
| 7. Visual Analytics with Tableau | 8. Data Science (CS-244) |