KARTIKAY GUPTA

Sophomore Year Undergraduate
B.Tech
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	**7.13**
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*

 Project: Web based cough detection app →

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 , Flask , Scikit-learn, Power BI, Excel
Others skills: Proficient in written and verbal communication , Good Presentation skills ,Time management.
Abilities/Skills : Data visualization , Data analysis , Deep learning , Computer vision , Machine learning

PORJECTS AND WORK EXPERIENCE

Note separator
Students Developer club   *May 2019- 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 2020-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)   *Feb 2020-April 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**.**

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.Recommendation Systems with TensorFlow on GCP
3.Natural Language Processing in TensorFlow	4.Sequences, Time Series and Prediction
5.Data Structures (CS-102)	6.Data Science (CS-244)
7.Data Analytics for Business	8.Finance for Non-Finance Professionals
9.Predictive Modelling and analysis	10.Macro-Economics(HS-202)