

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

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.Data Structures (CS-102)
- 7.Data Analytics for Business
- 9.Predictive Modelling and analysis

- 2.Recommendation Systems with TensorFlow on GCP
- 4.Sequences, Time Series and Prediction
- 6.Data Science (CS-244)
- 8.Finance for Non-Finance Professionals
- 10.Macro-Economics(HS-202)

OTHER SKILLS

- 1.Proficient in written and verbal communication
- 3.Time management

- 2.Good Presentation skills
- 4.Team work