



# DIPTA CHATTERJEE

BSC PHYSICS[CITY COLLEGE,PASSED WITH 69%]

MSC DATA SCIENCE[KALYANI UNIVERSITY,3RD SEMESTER]

GITHUB LINK:[HTTPS://GITHUB.COM/DIPTA-NOVICE?TAB=REPOSITORIES](https://github.com/Dipta-novice?tab=repositories)



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## ABOUT ME

An independent and self motivated student with the urge for learning new topics and experienced in working in Data analysis with statistics and looking for a job and internship opportunity in the field of Data science or Data Engineering that involves Machine learning.Deep learning,Computer vision and enabling technologies to handle Big data.

## SKILLS

- **Programming languages:**  
**Python,C**
- **Dbms Knowledge:**  
**Mysql**
- **Data Analysis Tools:**  
**Excel,Numpy,Panda,Matplotlib,Scikitlearn,Tensorflow,keras**

- **Basic Statistics**
- **Model Deploying Tool:**  
**Flask**
- **CV Tools**  
**OpenCV**
- **Nlp tools**  
**Nltk,Bert**
- **Webscrapping tool:**  
**Beautifulsoup**

## PROJECTS

### HUMAN ACTIVITY RECOGNITION

PERSONAL PROJECT[DATA:KAGGLE] (SEPTEMBER 2021)

- Building a model that predicts the human activities such as Walking, Walking\_Upstairs, Walking\_Downstairs, Sitting, Standing or Laying based on gyroscope and accelerate meter dataset
- Algorithms used: PCA,Kmeans Clustering
- <https://github.com/Dipta-novice/Human-Activity-prediction>

### PETROL PRICE PREDICTION USING TIME SERIES ANALYSIS (DECEMBER 21)

PERSONAL PROJECT[DATASET KAGGLE]

- Visualizing Trend,Seasonality and other Components of Time Series
  - Forecast price for the year 2020 using ARIMA
- <https://github.com/Dipta-novice/Petrol-price-forecasting-time-series-analysis>

### DIGITAL ATTENDANCE SYSTEM

COLLABORATED PROJECT (JANUARY 2022-PRESENT)

- Working on writing a review paper based on "RFID and Image Classification Based Smart Attendance System" With Sayan Chakraborty[Mtech,EE,JU)
- Studying and comparing basic face recognition algorithms
- Coding a face recognition based attendance system using Face recognition and OpenCV libraries.
- <https://github.com/Dipta-novice?tab=repositories>

### VIRTUAL INTERNSHIP PROGRAM(FORAGE)

KPMG(1ST DECEMBER-14 TH DECEMBER)

- Goal is customer segmentation for a bike manufacturing company to specifically target 1000 new customers based on 3000 old customer dataset
  - Tools used: Excel,Microsoft Powerpoint
- <https://github.com/Dipta-novice/Kpmg-Assignments>

## EXPERIENCE

### RESEARCH INTERN (UNDER PROF DIPANKAR DAS)

JADAVPUR UNIVERSITY(JANUARY 20-PRESENT)

- Developing a Chatbot for preventing suicide using lstm and other Nlp tools.
- Libraries used:Nltk,Tensorflow,Bert,
- <https://github.com/Dipta-novice/Chatbots-For-preventing-Mental-health-issues>

### RESEARCH INTERN[UNDER PROF. ABHISHEK DHAR]

JADAVPUR UNIVERSITY(15TH DEC 2021-PRESENT)

- Applying a GAN model for synthetic data generation
  - Building a Artificial neural network model to predict percentage of toxin removed from water
  - Applying Genetic algorithm,RSM optimization
- ,two sample independent t test and one-way ANOVA were carried out
- <https://github.com/Dipta-novice/Tartazene-Removal-ANN-prediction-model>