

# Debjit Datta

- ❑ Kolkata, India
- ❑ BTech - IT(2017-2021)
- ❑ Kalyani Government Engineering College
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## EXPERIENCE

### Artivatic.ai, Bengaluru — Computer Vision Intern

May 2020 - Jun 2020

Built a medical doc extractor which extracts texts from medical bills and converts them to json/dict format.

- Converted PDFs and images to text files using tesseract .
- Used fuzzywuzzy to detect important keys from medical bills and extracted the values in dict format in python.
- Technologies used:
  - Pytesseract, Django, Fuzzywuzzy, Postman

### Vidgyor, Bengaluru — Data Science Intern

Dec 2019 - FEB 2020

Built an ad-detection algorithm on live stream using:

- Machine Learning (opencv)
  - Detected the starting and ending points of commercial breaks using correlogram, orb and flann based matcher.
- Deep Learning (Yolo\_v3)
  - Created a signature for each ad using yolo\_v3 working on the coco dataset
  - Detected the starting points of commercial breaks on live streams using the signature created

### NIT Durgapur — Research Intern(Data Science)

JUNE 2019 - AUG 2019

- Worked on advanced imputation on spatio-temporal data based on air quality index data of New Delhi
- Filled missing values in geo-sensory time series data using Spatio-temporal Multi-View Based Learning(ST-MVL)
- Algorithms used:
  - Inverse Distance Weighting(IDW), Simple Exponential Smoothing(SES), User-based Collaborative Filtering(UCF) and Item-based Collaborative Filtering(ICF).
- Technologies used:
  - Numpy, Pandas, Matplotlib, Geopy, Missingno



## SKILLS

Python  
Java  
C++  
Pandas  
Postman  
Scikit-learn  
Machine Learning  
Deep Learning  
Algorithms  
Git

## ACHIEVEMENTS

### Techfiesta 2019

Won 1st position in the contest Predict.ai, a Machine Learning event.

### IIT Sangam 2019

Participated in the finals of IIT Sangam, a Machine Learning Hackathon organised by IIT Madras



Rating: 1626 (Expert)



Highest rating achieved : 1930.04



Highest rating achieved : 2019 (5\*)

## GeeksForGeeks - Technical Content Writer

MAY 2018 - APRIL 2019

- Wrote various technical articles on data structures and algorithms mainly focussing on complexity analysis of algorithms

[List](#) of articles written by me

## PERSONAL PROJECTS

### **Traffic Volume Prediction**— *A keras model to predict traffic volume from time series data*

Tech used : Python, Jupyter Notebook, Keras, XGBoost, Pandas, Numpy

Facilities : This model predicts the traffic volume of a place from weather data.

Github : <https://github.com/debjitdbb/Traffic-Volume-Prediction>

### **Contraceptive Method Choice**— *A machine learning model which predicts the current contraceptive method choice (no use, long-term methods, or short-term methods) of a woman based on her demographic and socio-economic characteristics.*

Tech used : Python, Jupyter notebook, sklearn

Github : <https://github.com/debjitdbb/Contraceptive-Method-Choice>