

AYAN GHOSH

M.Tech, Distriuted and Mobile Computing (CSE)

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INTERNSHIPS

Summer Intern in Data Science and Applied ML IIT Kanpur)

📅 April 2020 – June 2020 📍 Kanpur,India

- Enhanced knowledge in Data wrangling, Python, and story-telling with data through a combination of online training and advanced internship. Also learned about the basics of Deep Learning, Machine Learning, and NLP along with Computer Vision toolboxes.
- **Key Project : Twitter Sentiment Analysis** - Classification of tweets as positive, negative, or neutral using Machine Learning algorithms like - **Naive Bayes**, **SVM** etc.
- Achieved an accuracy score of 83% using NB Classifier (NLTK) and F1 score of 0.6503 in the Kaggle Competition.

Python ML EDA NLP SVM Naive Bayes

Software Development Intern

Skybits Technologies Pvt. Ltd.

📅 May 2018 – July 2018 📍 Kolkata,India

- **Worked on a Video Analytics Project** : The main objective of the project was to detect smoke after processing a video.
- An Object Identification Model was built using Faster R-CNN.The video was processed as series of frames. The batches of frames are processed periodically by the model and determines about the presence of smoke in it or not.
- Achieved an accuracy of 70-80 % after the test.

Python Deep Learning Keras Faster RCNN

Winter Intern on Data Analytics in R

IIM Lucknow

📅 Dec 2017 – Jan 2018 📍 Kolkata,India

- Analysed multiple case studies from Harvard Business Review. Established visualizations for all of the tasks by using various statistical tools.
- **Key Project: - Red Wine Quality Analysis**:The specific objective of this study was to investigate how the physio chemical inputs vary the quality of Wine.After Analysis, it comes out that **Alcohol and Sulphates** are the two most important features to decide the quality of wine.

R Statistics Exploratory Data Analysis

EDUCATION

M.Tech in Distributed and Mobile Computing Jadavpur University, CGPA - 9.38, Perecentage - 86.88

📅 July 2019 – Present

B.Tech in Computer Science and Technology IEST Shibpur,CGPA - 8.21, Perecentage - 75.67

📅 July 2015 – June 2019

ACHIEVEMENTS

- Qualified in the UGC NET June 2020 Exam as Assistant Professor.
- Qualified **Gate** Examination twice both in 2019 and 2020.
- Among the top 0.1% of the 1.5 million applicants in JEE Mains 2015.
- Ranked joint **11th** in the state in Higher Secondary Examination 2015.
- Among **Top 20** in "Talent Search Test" conducted by **Association for Improvement in Mathematics Teaching (AIMT)**.

SKILLS

C, C++, Python, R, SQL ●●●●●●
MS-Excel, SAS, Tableau,Matlab ●●●●●●

ACADEMIC PROJECTS

Ontology on Remote Health Framework

- Ontology provides a formal specification of the domain knowledge, including the structure of information and their properties.
- Inter-Class relations are expressed using Description Logics.

Knowledge Representation AI

Vision Assistant

- The project addresses the **need of an assistant** in real time for a blind human being.
- Built an Android application using the mobile camera that will help people with low or no visibility to easily find or locate the frequently usable items like bottle, bag etc.
- COCO data set is used for training. Faster R-CNN and YOLO were used to build the object identification and detection model.

Python ML YOLO Faster RCNN

Android

CERTIFICATIONS

- Passed the Google Analytics Individual Qualification.
- Visual Analytics Certified by SAS.

LANGUAGES

Bengali ●●●●●●
English ●●●●●●
Hindi ●●●●●●