ABHISHEK KUMAR SAXENA

COMPUTER SCIENCE | Portfolio URL : https://abhisheksportfolio.herokuapp.com/

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SUMMARY

I am a fast learning individual pursuing B.Tech. in Computer Science Engineering from Jaypee Institute of Information Technology, Noida seeking an opportunity to work utilizing analytical and methodical skills while sticking to vision, mission and values.

EDUCATION

- Class 10th   2014   87.2%
HARTMANN COLLEGE, BAREILLY, UP, INDIA

- Class 12th   2016   89.6 %
SHRI GULAB RAI MONTESSORI SR SEC SCHOOL, BAREILLY, U.P., INDIA

- B.Tech Computer Science Engineering   2017- 21   CGPA 8.1
JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA, U.P. INDIA

EXPERIENCE

INHOUSE JIIT SUMMER INTERNSHIP (Twitter sentiment analysis over Covid-19 pandemic.)   **May 2020-June 2020**

https://coronacase-study.herokuapp.com/

- Analyzed tweets over the period of 7 months from Twitter using Data Science and Machine Learning.
- Correlation among various factors determined, using variation of emotion, offensive language and hate speech in 51,525 tweets.
- Temporal analysis
- Users who tweet offensive and hate speech were highlighted.

CITISPOTTER LIMITED
114 High Street, Cranfield, Bedfordshire, MK43 0DG, United Kingdom   **Oct 2019 - Jan 2020**
MACHINE LEARNING INTERN (REMOTE)

- Implemented deep learning models for Entity Disambiguation.
- Implemented Argumentation Mining (the detection, classification and structuring of arguments in text) using Natural Language Processing.
- Formulated Case Studies for controversial topics like **"Brexit in Europe"**, **"MP resignation due to Brexit"** to find out reasons that contributed to these using **Data Science**.
- Worked on projects in Data Analytics that consisted from Data Collection to implementing Deep Learning and Machine Learning Models, generating visualization from raw data after processing it that would be helpful for Business Insights, Pattern Detection and Recognition.

ACHIEVEMENTS

- Nominated for Smart India Hackathon 2020 (Software Edition) from Jaypee Institute of Information Technology.
- American Express CodeStreet'20 Finalist (Hackathon).
- Qualified Deloitte Technoutsav 3.0 pre-final round (TechE thread) under Machine Learning/Data Science theme.
- Qualified pre-final round among top 46 teams for Flipkart GRiD 2.0 - Robotics Challenge under the problem statement Autonomous Indoor Drone.

PROJECTS

- **Deep Learning Image Classification**   **Mar 2020 - Apr 2020**
https://github.com/abhisheksaxena1998/Deep-Learning-Image-Classification
  - ResNet architecture used as it tackles the degradation problem most common in deep networks, where the model accuracy gets saturated and then degrades rapidly.

- **Malicious URL Detector**   **Jan 2020 - June 2020**
https://github.com/abhisheksaxena1998/Malicious-Urlv5
https://malicious-url-detectorv5.herokuapp.com/
  - Django REST API that is linked to machine learning model
  - Always-on detection system (Browser Extension)
  - ML model with an accuracy of 95%, tested on the dataset from the Canadian Institute for Cyber Security, New Brunswick.

- **Reddit Flair Detector**   **Sep 2019 - May 2020**
https://reddit-realtime-analysis.herokuapp.com/
  - Predicts 'flair' for the given URL based upon its title, top comments of other users and URL based upon a trained machine learning model.
  - Along with data and temporal analysis.

- **YouTube Content Analysis**   **Nov 2019 -Dec 2019**
https://github.com/abhisheksaxena1998/Youtube-Content_analysis
https://youtube-content-analysis.herokuapp.com/
  - Content analysis
  - Detects hate speech and offensive language used in a video.

- **Gun laws Stance Detector**   **Jul 2019 - Nov 2019**
https://gunlaws-stance-detector-v1.herokuapp.com/
  - Detects stance for controversial topic "Gun-laws" in USA, using machine learning and deep learning models.
  - Data Science and temporal analysis

SKILLS

Python, Data Structures, Algorithms and Problem solving, Web Development, Data Science, Machine Learning, Natural Language Processing (NLP), Django, REST APIs, IBM Cloud, SQL, Flask, HTML, CSS, Bootstrap, JavaScript.

CERTIFICATIONS

- Introduction to Data Science in Python,
- Applied Plotting, Charting & Data Representation in Python,
- Applied Machine Learning in Python,
- Applied Text Mining in Python by University of Michigan and offered through Coursera.
- CS50: CS50's Introduction to Computer Science a course of study offered by Harvardx
- Python, JavaScript, HTML, SQL certifications from Sololearn.