KRISHNA SAI BIRADAR

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Education

University of Maryland, Baltimore County (UMBC).   **Baltimore, Maryland**
Master of Professional Studies in Data Science: **GPA: 4.0/4.0**   **Expected – May 2023**

Vellore Institute of Technology -AP University.   **Amaravati, India.**
Bachelor of Technology, Computer Science and Engineering; **CGPA ~ 3.8/4**   **June-2021**

Technical Skills

Programming Languages: Python, Java.
Data Science Tools: Machine Learning, Deep Learning, NLP, Apache Spark.
Libraries: Pandas, NumPy, Matplotlib, Sklearn, TensorFlow, OpenCV, Keras, Flask.
Operating Systems: Mac OS, Microsoft Windows.
Database And Cloud: MYSQL, SQL, AWS.
Software: Microsoft Office (Word, PowerPoint, Excel), GitHub, Git, Jupyter Nb.

Projects

News Classifier - Demo   **December 2021- February 2022**
- Build an NLP based model where it can classify the news article and labelling them using genism and stored the required results in the local SQLite3 database.
- Created an API using flask and extracted live news articles from API to feed it to the flask model to classify them.

Insurance Fraud Detection   **September 2021-December 2021**
- Developed a model using K-means clustering algorithm to predict whether the insurance claim made by the customers is valid or not on a dataset over 100k and stored the required results in the Database using SQL.
- Created a GUI to predict the desired results and deployed the model over the Heroku cloud server.

Data Analysis of Sports - Demo   **September 2021-December 2021**
- Designed a dashboard that provides the analysis of the Olympics history over the past 120 years of every sports event being conducted, athletics participants, Countries that participated, and the results.
- Devised an efficient web application using stream lit and deployed it over the Heroku cloud server.

Vision Based Attendance System - Demo   **January 2020- March 2020**
- Build an application where it can take attendance and record their date and time of their arrival by recognizing people by their faces accurately using face recognition and OpenCV library and store the results in the local database.

Web Controlled House Assistant   **July 2019-November 2019**
- Designed a face recognition and detection model with an accuracy of 95%, it tries to tally it with the data in our databases.
- Integrated YOLO3. Trained and validated over 1000 images and if unknown person is detected then it will alert the user.

Work Experience

ILLENIUM AI   **Telangana, India.**
Data Science Engineer   **August 2020 – November 2020**
- Conducted a sentimental analysis of customer reviews on various hotels across Europe using genism.
- Collected the data around of 500k hotel reviews through web scrapping using beautiful soap and analyzed it.
- Build and assessed the model over different algorithms and improved the accuracy of the model from 85%-92%.

Extracurricular Activities and Achievements

- Active member of a National Service Scheme (NSS) managed the Blood Donation and Swachh Bharat Mission for 2 consecutive years, which attracted 15% more attendees during the first year and 20% in the second year.
- Stood 4 place in Engineering Clinics Expo among 200+ participants.
- Runner ups in Volleyball.