SINCHANA R

Bengaluru, India

@ sinchanar21@gmail.com 📞 (+91) 7483953050 in linkedin.com/in/sinchana-r
 github.com/sinchana-hathwar

EDUCATION

M.Sc in Big DataAnalytics
St Joseph'sUniversity

📅 July 2022 – Present   83.4%

B.Sc in Physics, Mathematics and Chemistry
St Joseph's College (Autonomous)

📅 July 2019 – July 2022   CGPA:9.53

PROJECTS

Fire Detection
📅 Present

- Data collection through **web-scrapping** of images using **BeautifulSoup** and **Selenium**.
- Data pre-processing and augmentation using **Keras**.
- Implemented **CNN-LSTM** hybrid modeland ensembling techniques on deep learning models like **Xception, ResNet50, MobileNetV2** and **Inception** models.

JobLinkUp
📅 Present

- Developed a job portal to connect recruiters with student
- Used **HTML**, **CSS** with **Jinja-templating** engine for the front-end.
- Used **Flask** for the back-end and **SQLite** for the database.
- Handling deployment on **AWS Beanstalk** currently.
- Used **Git** and **GitHub** to collaborate with the team-mates.

Network Intrusion Detection System
📅 January 2023 – April 2023

- A team project where we built a network IDS on CIC-IDS 2017 dataset using various machine learning algorithms like, **PCA, isolation forest, and Random Forest**.
- Used **SMOTE** for balancing the dataset.
- Used **Random forest** for feature extraction and detection of anomalies and classification of various types of attack.

Sentiment Analysis on Music Lyrics
📅 September 2022 – December 2022

- Analyzed song lyrics to label the song as happy, sad or angry and then performed **EDA** on the relationship between audio descriptors of the song to their sentiment classification using **NLP**

Spam Email Classification
📅 September 2022 - November 2022

- Utilized **Naive Bayes classifier** to distinguish between spam and ham mails in our personal emails.

SKILLS

Python Pandas MySQL Scikit-Learn Machine Learning Power BI Data Visualisation NLP R Git Matplotlib Seaborn Tensorflow Keras Flask MS office Pig Hive

CERTIFICATIONS

Data Analytics Consulting Virtual Internship
Forage – KPMG

📅 June 2023

COURSEWORK

- Data Structures and Algorithms
- Object- Oriented Programming
- Hadoop
- Machine Learning and Deep Learning
- Spark and Scala
- Linux
- Data Warehousing
- Database Management Systems

EXTRA - CURRICULAR ACTIVITIES

- Event Head - Young Data Scientist, the premier event in inter-collegiate fest Datagram 5.0 held in 2023.
- Crew Member in "Weekend with Data" a Data Science podcast held by SigmaSquared Association.

LANGUAGES

English Kannada Hindi

PERSONAL INTERESTS

- Poetry writing
- Reading
- Dancing
- Painting