Sahil Thorat

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Data Analyst, Data Engineer, Data Entry

Determined Student from LPU and IIT, Chicago. Pursued undergraduate degrees in computer science and engineering (Data Science) and is currently enrolled in a Master's program in the field. Fascinated and Passionate about being a data analyst. Experience in interpreting and analyzing data for driving business or problem solutions. Ambitious and Curious to engross knowledge through pursuing Higher Studies. Proficient knowledge of statistics, mathematics, Programming Languages, and analytics.

EDUCATION

Master of Science – MS in Data Science
Illinois Institute of Technology • 08/2023 – 12/2024

Bachelor of Technology – BTech in Computer Science
Lovely Professional University • GPA: 3.2 • 01/2019 – 07/2023

CERTIFICATIONS

Google Data Analytics
Coursera (Google) • 06/2021 – 07/2021

IBM Data Science
Coursera (IBM) • 08/2021 – 09/2021

Introduction to Big data and Spark
Coursera (IBM) • 11/2021 – 11/2021

PROJECTS

EDA on Twitter Reviews
LPU • 01/2022 – 03/2022

R was used to gain access to and filter the datasets for the exploratory data analysis (EDA) of Twitter reviews. R was used to clean up and prepare the data for analysis, allowing for insights into patterns and trends in the evaluations. Excel and Tableau were used to tackle the visualization component, making creating instructive charts and visual summaries easier. This all-encompassing method demonstrated the strength of data manipulation in R and the visualization capabilities of Excel and Tableau, allowing for a detailed comprehension of the sentiment and content of the Twitter reviews.

Predictive Analysis of Air Quality Data

LPU • 03/2022 – 04/2023

With 5000 observations with the aid of R and Excel, predictive study of Beijing's air quality in an effort to find patterns and insights. After data collection and preparation, used R for data exploration to show connections between weather conditions and pollutants (PM2.5, PM10, SO2, NO2). Our choice of models (such as linear regression, decision trees, etc.) was influenced by feature selection. After dividing the data, also trained models on 80% of it and then assessed using MSE, RMSE, and MAE metrics. Based on performance, the best model was picked. Excel was used to supplement the predictions with complementary visualizations. The thorough report highlights the results, model precision, and relevant recommendations for improving air quality while acknowledging that predictive analysis is iterative and necessitates taking into account the constraints of the available data and outside factors.

Lumpy Virus Detector

LPU • 01/2023 – 05/2023

The Lumpy Virus Detector Application was expertly created with Android Studio and the Kotlin programming language. This program, which was created to recognize lumpy viruses, is distinctive since it includes a collection of photos and other eye-catching components. Combining TensorFlow and Convolutional Neural Networks (CNNs) to effectively reduce image sizes and create a reliable model advances innovation. This approach improves the app's picture-processing abilities and enables highly accurate real-time virus identification. My team and I have made tremendous progress towards creating a powerful and user-friendly tool for rapid and precise lumpy virus diagnosis. This is due to the seamless integration of Android Studio, Kotlin, TensorFlow, and CNNs.

PUBLICATIONS

Topic Name: "A Novel Approach for Detection of Lumpy Virus"

Proceedings in Springer by NIT Jalandhar • 04/2023

SKILLS & INTERESTS

ANN, Apache Pig, Apache Spark, Convolutional Neural Networks (CNN), Data Analysis, Database Management System (DBMS), Deep Learning, Engineering Mathematics, Firebase, Hadoop, Hive, Machine Learning, Microsoft Power BI, Python (Programming Language), R (Programming Language), Recurrent Neural Networks (RNN), Soft Skills, Tableau, Managing skills, DSA, Collaboration, Data Visualization.