DHARSHINI THANGARAJ

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Profile summary

- Enthusiastic and skilled data science fresher with a strong foundation in Python and SQL, holding a 3-star badge in Python and a 5-star badge in SQL from HackerRank. Seeking to leverage analytical skills, machine learning knowledge, and hands-on experience in data manipulation and visualization to contribute effectively to a dynamic data science team.

Education

Annamalai university, M.Sc.,Data science,GPA: 8.42/10 *Sept 2022 – May 2024*
Bharathidasan university,B.Sc.,Mathematics,GPA: 8.3/10 *june 2019 – May 2022*

Technical skills

- Programming Tools:Python, R, SQL TensorFlow, Scikit-learn Pandas, NumPy Hadoop, Spark
- Machine Learning : Supervised ,Unsupervised Learning Deep Learning (CNN, RNN) Natural Language Processing (NLP)
- Data Analysis and Visualization: Data Wrangling Data Visualization (Tableau, Matplotlib, Seaborn) Statistical Analysis
- Database Management: SQL Query Optimization Data Modeling

Soft skills

- Communication
- Problem-solving
- Critical Thinking
- Teamwork
- Decision-making

Certifications

- Basics of Exploratory Data Analysis,Great learning
- Prompt engineering for chatGPT,Greatlearning
- Power BI workshop,Jobaaj learning
- Data tableau workshop,jobaaj learning
- International Level Student Workshop - 2k24 on data science using python , Brainovision solution
- SQL 5 Star badge in Hackerrank
- Python 3 Star badge in Hackarrank

Projects

Language detection using machine learning *Language-detection*

- Developed a machine learning model for identifying the language of text input , leveraging NLP techniques for preprocessing and feature extraction. Employed algorithms such as Naive Bayes and Support Vector Machines for classification, achieving high accuracy in multi-language detection. Implemented the project using Python and Scikit-learn, with a focus on optimizing model performance and scalability.
- Tools Used: python,pandas,numpy

Multimodal Emotion Detection Using Text and Image Modalities 2024

- Developed a multimodal emotion detection system that combines text and image data to enhance emotion recognition accuracy. For the **text modality**, employed Natural Language Processing (NLP) techniques, including tokenization, sentiment analysis, and feature extraction using tools like **NLTK** or **spaCy**. For the **image modality**, used **Convolutional Neural Networks (CNNs)** for facial expression analysis, leveraging libraries such as **OpenCV** and **TensorFlow**.
- Tools Used: Python, TensorFlow, OpenCV, NLTK/spaCy, Pandas, Scikit-learn