VENGADESH V
Data scientist

+91 9159094424 ✉ venkatvs2810@gmail.com Salem,Tamilnadu in vengadesh v VenkatVS28100

CAREER OBJECTIVE

Data Science professional with strong foundations in deep learning, machine learning, NLP, computer vision, and cloud computing (AWS). Proficient in Python, SQL, and R, with hands-on experience developing solutions for social media analytics and face matching using Power BI, OpenCV, and deep learning techniques. Successfully completed internship language translation (NullClass). Seeking to leverage my skills and expertise in a dynamic data science role to drive data-driven insights and impactful business solutions.

EDUCATION

B.Sc in Physics,Nallamuthu Gounder Mahalingam College,Pollachi	**2019-2022**
CGPA: 6.3	TN,India
M.Sc in Data Science,Periyar University,Salem	**2023-2025**
CGPA: 7.1	TN,India

SKILLS

Programming Lanuages	Python, SQL ,R
Tools	TensorFlow, PyTorch, Power BI ,Tableau, Docker ,OpenCV
Technical Skills	Machine Learning,Deep Learning,NLP,Computer Vision
Cloud Platforms	Amazon Web Services
Databases	MySQL
Developer Tools	GitHub,VS Code,Pycharm,Colab

WORK EXPERIENCE

NullClass | Language Translation Internship | Remote　　　　　　**June2024 - Oct2024**

- Completed an advanced language translation project, translating between French-Tamil, English-Hindi, and French using NLP techniques.
- Developed and optimized models using Seq2Seq and Transformer architectures for improved accuracy and efficiency.
- Integrated Beam Search Decoder and Word2Vec embeddings to enhance translation quality.
- Utilized Hugging Face pre-trained models to accelerate translation model performance, gaining expertise in handling state-of-the-art NLP tools.
- Collected, processed, and managed diverse datasets; proficiently handled various data formats, including Parquet and JSON, to streamline data processing.
- Gained hands-on experience in dataset preparation, data augmentation, and handling multilingual NLP tasks. (**project link**)

PROJECTS

Social Media Analytics

- Developed a real-time social media analytics dashboard using Power BI, designed to provide industry-relevant insights.
- Gathered and processed real-world data from Google, focusing on identifying trending topics and user interests.
- Created an interactive, visually compelling dashboard to track and analyze engagement metrics, top-performing content, and audience preferences.
- Enabled actionable insights for targeting high-demand content and improving social media strategies. **(project link)**

FaceGuard: Real-Time Face Verification System

- Developed a real-time face verification system to label faces in video as 'verified' (known) or 'unverified' (unknown), enhancing security and identification accuracy.
- Implemented MTCNN (Multi-task Cascaded Convolutional Networks) for precise face detection, ensuring high accuracy in identifying multiple faces within video frames.
- Utilized VGGFace model for face matching, leveraging deep learning-based feature extraction to verify known and unknown faces efficiently.
- Designed the system to mark verified faces with a green bounding box and unverified faces with a red bounding box, providing clear visual feedback for face identification.
- Integrated backend detection using MTCNN for efficient real-time processing, ensuring optimal performance in face detection and verification.
- Strengthened skills in computer vision, face recognition, and real-time video processing while improving expertise in MTCNN and VGGFace models.**(project link)**

CERTIFICATION

- Python - Coursera
- SQL- Data camp
- R-Udemy
- Excel-Udemy
- PowerBi-Data camp
- Tableau-Data camp
- AWS-Amazon Web Services
- ML-IntelOneApi
- DL-Envidia

DECELARATION

I hereby declare that the information provided above is true and accurate to the best of my knowledge and belief.