Aravind.M.S

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Education

Coimbatore Institute of Technology (CIT) Expected graduation date: Jun. 2026
M.Sc in Datascience (Integrated) ***CGPA: 8.046/10 (till 5th semester)***

Projects

Starry AI Night Mar. 2024

Advanced Generative AI model for crafting paintings. *Python, Tensorflow, Git*

- Spearheaded award-winning AI project utilizing CycleGAN to replicate Van Gogh's style, securing first place in a Generative AI hackathon among 2500 participants.
- Applied advanced understanding of Van Gogh's techniques to meticulously develop a sophisticated model that captures the essence of his masterpieces.
- Pioneered at art-tech nexus, generating new artwork reminiscent of Van Gogh's renowned works.

Hue Hush Feb. 2024 - Mar. 2024

Custom Python module for predetermined image segmentation. *Python, Git*

- Conducted image segmentation via K-means clustering, efficiently dividing images into specified color clusters to streamline processing workflows.
- Enabled customizable segmentation, empowering users to adjust color cluster count to suit project needs.
- Published the Python module on PyPI, garnering over 200 downloads within the first week of release, showcasing its popularity and accessibility within the developer community.

Cloud Sense Sep. 2023 - Feb. 2024

Cloud-burst prediction web tool. *Python, HTML, CSS, Tensorflow, Flask, Git*

- Leveraged advanced Machine Learning & Deep Learning Algorithms to model the possibility of Cloudburst events effectively with a peak relative error percentage of 8.3735.
- Integrated OpenWeatherMap's Weather API to gather precise weather data, seamlessly feeding it into the prediction model, resulting in a commendable R2 score of 0.62.
- Implemented a Flask-deployed application capable of handling 60 API calls per minute, showcasing adept backend development in Python-Flask and frontend design using HTML and CSS.

Experience

Edunet Foundation Jun. 2023 - Jul. 2023

Data Analytics Student Intern *Python, Hadoop, Power BI, Git*

- Contributed to "Retail Revelations: Decoding Superstore Dynamics", a data analytics initiative centered on leveraging trends in superstore sales, analyzing over 10,000 data entries.
- Successfully completed the designated course module with exceptional performance, earning over 90% of the total credits.

Skills

Languages:

Python, Java, SQL.

Technologies & Tools:

Tensorflow, Flask, Streamlit, Power BI, MongoDB, MySQL, LangChain, Java EE, Git, Linux.

Certifications:

Google Advanced Data Analytics, JPMorgan Chase Software Engineering Job Simulation, Google Cloud Study Jam, Stanford University Machine Learning Specialization, NPTEL : Introduction to Machine Learning.

Publications

Grenze International Journal of Engineering and Technology Jul. 2023

A Comparative Study of Sentiment Analysis on Flipkart Dataset using Naïve Bayes Classifier Algorithm

- Executed Sentiment Analysis through the implementation of a Naïve Bayes Classifier with peak 94% accuracy.
- Conducted a performance evaluation of the Naïve Bayes Classifier, comparing its effectiveness with diverse text processing techniques such as Tfldf vectorizer, Count vectorizer, Porter Stemmer, etc.