Mathew Valan D L

M.Sc - Artificial Intelligence and Machine Learning (Integrated)

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PROFILE

A proactive and fast learning data lover seeking an opportunity to work as a dynamic intern , utilizing logical and analytical skills in a proficient way to help the corporate achieve business goal.

PROJECTS

BRAIN TUMOR CLASSIFICATION

- Web application to classify brain tumor into four different classes.
- Used flask to create a webpage using python. Image preprocessing, dataset augmentation are applied.
- Used Tensorflow and Keras to build the CNN.
- Used CNN model (own architecture with 93% accuracy).

SIGN LANGUAGE DETECTION

- Web application that uses live video to detect whether a person is signing or not.
- Used streamlit to create a webpage using python, OpenCV for live video processing.
- Tensorflow and Keras are used to build the CNN.
- Used CNN model (own architecture with 94% accuracy)

MOVIE REVIEW CLASSIFIER

- Machine Learning model to classify the movie reviews into positive and negative reviews.
- Used Naive Bayes model (with 93% accuracy).

EDUCATION

M.Sc Artificial Intelligence and Machine Learning, 2020 – 2025 | (Pursuing)
Coimbatore Institute of Technology, Coimbatore.
CGPA : 8.5/10 (till 4th semester)

Grade 12, S.M.B.M Matric Hr Sec School , Dindigul. 2020 | (Passed out)
HSC (88.8%)

Grade 10, S.M.B.M Matric Hr Sec School , Dindigul. 2018 | (Passed out)
SSLC (94.6%)

INTERESTS

Machine Learning | Deep Learning | Front end Web Development | Data Analysis

SKILLS

- **Programming Languages:** Python, C.
- **Web Technology:** HTML, CSS, Javascript.
- **Frameworks:** OpenCV, Streamlit, Flask, Tensorflow, Keras, Pandas, Numpy, Scikit Learn.
- **Tools:** Docker, MySql.

ACHIEVEMENTS

- Presented a paper entitled "A Review of AI Techniques in Detecting Tumors" at 2nd National Conference on Mathematical Modelling and Computation 2021.
- Participated in Toycathon 2020 (level 2).

CERTIFICATIONS

- Python Programming Bootcamp by Udemy (Dec 2021)
- Deep Learning A - Z by Udemy (Oct 2022)
- Pandas by Kaggle (Dec 2022)