THADAKALURU JASWANTHI

+91 9032467229

B.Tech
Computer Science and Engineering
Amrita Vishwa Vidyapeetham,Bangalore

thadakalurujaswanthi229@gmail.com
GitHub Profile
LinkedIn Profile

About

An enthusiastic person with high optimism and leadership skills pursuing a bachelor of engineering degree in Computer Science Engineering with Artificial Intelligence. Eager to learn and implement new technologies and methodologies. Always willing to innovate new things that can improve the existing technology.

Education

•Amrita Vishwa Vidyapeetham, Bangalore *Oct 2021 - Present*
Computer Science and Engineering with Specialization in Artificial Intelligence CGPA: 7.27

•Senior Secondary (XII) *Apr 2019- Aug 2021*
Narayana Junior College Percentage: 86.8

•Secondary(X) *Jun 2018 - Apr 2019*
Narayana Group of School CGPA: 9.2

Technical Skills and Interests

Programming languages: Python, Java
Web Development: HTML, CSS
Skills: OOPS,DSA,Machine Learning, SQL, Deep Learning
Languages: English, Telugu, Hindi
Hobbies: Sports,Drawing, Listening to Music,Travelling

Projects

•Driver Drowsiness Detection Using Machine Learning *Jan. 2023*

- Created a driver drowsiness detection system leveraging facial recognition, eye tracking, and machine learning to prevent accidents proactively.
- Implemented features like real-time monitoring of facial expressions and blink patterns using computer vision.
- **Technologies:** Machine Learning, OpenCV, TensorFlow/Keras, Dlib.

•Hyperspectral Imaging in Brain Tumor Detection using Machine Learning Techniques *Jan. 2024*

- Hyperspectral imaging enhances brain tumor detection and diagnosis by providing detailed spectral, biochemical, and morphological tissue analysis, surpassing traditional MRI and CT methods.
- Developed a machine learning-based approach for precise classification and detection of tumor tissues.
- **Technologies:** Python,Machine Learning (Scikit-learn, TensorFlow).

•Malicious URL Detection: Comparative Study of Machine Learning Algorithms *Dec. 2024*

Github

- Conducted a comparative study of machine learning algorithms for detecting malicious URLs using lexical analysis and pattern recognition.
- Evaluated and optimized various models (e.g., Random Forest, Gradient Boosting) for accuracy and efficiency.
- **Technologies:** Python, Scikit-learn, XGBoost, Pandas.

Publications

- **A Scalable Machine Learning model for Sales Forecasting using PySpark and ML** *SKJCIT ,2024*
- **Hyperspectral based Brain Tumor Detection using Machine Learning** *ICCCNT 2024*
- **Malicious URL detection using Machine Learning** *ICCCNT2024*

Certifications

- Great learning certification on **Machine learning** Certificate
- Lumos learning certification on **HTML** Certificate
- IEEE certification on publishing a research paper Certificate