

M. BHUPATHI SANJAY

bupathisan3@gmail.com | 9346838857|

CERTIFICATIONS

- Ethnus Certification in MERN Stack Development – 2024

-Mekuva Technologies -2025

WORK EXPERIENCE

Ethnus

MERN Stack Developer Intern,
May 2024– Jun 2024

-Developed and deployed scalable web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js), reducing API response time by 30%.

- Optimized database queries and indexing with MongoDB, reducing query execution time.

MEKUVA TECHNOLOGIES:(May 2025-july 2025)

-Currently working to improve the web connectivity and to enhance the security features

-Deployed the backend on AWS to efficiently handle workloads from multiple regions, enhance scalability, and increase the likelihood of customer satisfaction.

EDUCATION

VIT AP

B.Tech in Computer Science & Engineering (Data Analytics)

PROJECT EXPERIENCE

Kaggle – Bengaluru Rent Rate Prediction

- Developed a machine learning regression model to predict rental rates based on location, amenities, and demand trends.- Applied feature engineering and hyperparameter tuning, improving model accuracy from 85% to 95%.

Health Prediction of Babies in Pregnancy

- Built an AI-powered health risk prediction model for infants during pregnancy using machine learning and deep learning techniques.
- Enhanced predictive accuracy to 93% through ensemble learning and advanced preprocessing.

YOLO Image Classification

- Designed and trained a YOLO-based object detection model for real-time image classification.
- Improved detection accuracy from 70% to 90% using data augmentation and transfer learning.

– Disease Prediction in Crops

- Developed a deep learning model using CNNs to classify crop diseases from leaf images.
- Achieved an accuracy of 95% through advanced preprocessing and model fine-tuning.

Group – Crop Recommendation System

- Built a hybrid ML & DL recommendation system to suggest optimal crops based on soil quality, climate, and yield history.
- Provided actionable insights to help farmers achieve high production with a 90% success probability.

SKILLS

****Programming Languages:**** Python, Java, R, SQL

****Machine Learning & Deep Learning:**** Scikit-Learn, TensorFlow, Keras, YOLO, CNN, RNN, Transfer Learning

****Data Analysis & Visualization:**** Pandas, NumPy, Matplotlib, Seaborn

****Tools & Environments:**** Jupyter Notebook, VS Code, Git, Google Colab.

****Databases:**** MongoDB, MySQL

****Cloud & Tools:**** AWS , Git, Docker

LANGUAGES English, Hindi, Telugu