

D Dinesh Reddy

MERN Stack | Machine Learning

dinu350930@gmail.com | +91 8309077059 | DOB - 04 Nov, 2004

A proactive software engineer with expertise in machine learning, deep learning, TensorFlow, web development, and backend development. Skilled in programming and building scalable solutions that address business needs. Passionate about solving complex problems, optimizing systems, and delivering impactful results. Committed to continuous learning and adapting to emerging technologies to drive innovation and high-quality outcomes.

SKILLS

PROGRAMMING

Languages

- Advance: Python, Java
- Intermediate: C,
- Novice: JavaScript, C++

Tools

- GIT • Windows

Frameworks

- ReactJS
- Express.js

Technologies

- HTML • CSS • Selenium
- SQL • MongoDB

OTHERS

- Exploring new technologies

EDUCATION

B. Tech, CSE

GITAM University

2022-26 | Vizag

CGPA: 9.49

Intermediate, MPC

Ascent Junior College

2020-22 | Vizag

Percentage: 96.1%

CBSE

Dr. KKR Gowtham School

2019-20 | Vizag

Percentage: 93.6%

LANGUAGES KNOWN

- English • Telugu

LINKS

Github :// [dinu3509](#)

LinkedIn :// [Dinesh Reddy](#)

LeetCode :// [dinu3509](#)

CodeChef :// [Dinesh](#)

EXPERIENCE

ExceedIQ Intern | Aug 2024 - Present | Remote, India

MERN-STACK Express | React | MongoDB | Node

- Developed a School Management System using the MERN stack, achieving a 98% uptime and reducing page load times by 20%.
- Implemented authentication and role-based access control, improving platform engagement and boosting user retention by 15%.

Vibrance AI Intern | Jun 2024 - Aug 2024 | Remote, India

ARTIFICIAL INTELLIGENCE Python | OpenCV | Tensorflow|

- Integrated real-time lane detection using computer vision and deep learning, improving detection accuracy by 25% under varied lighting and weather conditions.
- Deployed models like LaneNet for accurate lane marking under varied conditions.
- Built feedback mechanisms with OpenCV, increasing driver safety awareness by 30%.

Rinex AI Intern | Sept 2024 - Present | Remote, India

ARTIFICIAL INTELLIGENCE Python | Pandas | Scikit-Learn |

- Engineered features from stock data, including moving averages and Bollinger bands.
- Chronological train-test split ensured data integrity.
- Linear Regression achieved: Training R^2 : 1.00, Validation R^2 : 0.97, Test R^2 : 0.91, Test MAPE: 1.76%.

PROJECT(S)

MUSHROOM CLASSIFICATION Python | Decision Tree | Scikit-Learn

Problem: Classify mushrooms as edible or poisonous based on their features using Decision Tree algorithms.

- Preprocessed 8,124 mushroom records with 22 features using pandas and scikit-learn.
- Applied one-hot encoding, expanding features to 117 dimensions.
- Achieved 99.02% accuracy with Gini and 96.37% with Entropy.
- Visualized decision trees using Matplotlib for better interpretability.

HANDWRITTEN DIGIT CLASSIFICATION Pandas | Scikit-Learn| Python

Built a model for handwritten digit classification using Logistic Regression to predict digits from the MNIST dataset with high accuracy.

CERTIFICATIONS

ML Specialization : [By Coursera](#)

WEB Development : [By Udemy](#)