

# D Dinesh Reddy

MERN Stack | Machine Learning

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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 full-stack e-commerce platform using the MERN stack, achieving a 98% uptime and reducing page load times by 20%.
- Implemented user authentication and product management systems, increasing platform 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 Hackerrank](#)