

Kethari Madhu Sudhan Reddy

Fresher

GitHub: github.com/madhusudhanreddy2003 **Email:** madhusudhanreddykethari@gmail.com **Location:** Ramamurthy Nagar, Bengaluru – 560016

LinkedIn: [linkedin.com/in/madhu-sudhan-reddy-6a5124327](https://www.linkedin.com/in/madhu-sudhan-reddy-6a5124327) **Phone:** +91 6305313849 **Website:** <https://madhusudhanreddy.netlify.app>

Career Objective

Enthusiastic and detail-oriented Full Stack Developer with hands-on experience in designing, developing, and maintaining web applications using modern front-end and back-end technologies. Proficient in building responsive and dynamic web applications, implementing RESTful APIs and managing databases. Strong problem-solving skills with a passion for learning and applying emerging technologies to deliver efficient and scalable solutions. Adept at collaborating in agile teams and translating business requirements into technical solutions.

Skills

Frontend Technologies: HTML, CSS, Java Script, React.js

Backend Technologies: Python, Express.js, Node.js

Database: MongoDB, SQL

Version Control & Tools: VS Code, Postman, Git, GitHub, GitHub Copilot

AI/ML & NLP: Concepts of Artificial Intelligence, Machine Learning, Natural Language Processing, Generative AI

Soft Skills: Strong Analytical & Creative Thinking, Excellent Communication, Cross-functional Collaboration, Debugging Skills, Attention to detail, Ability to learn new technologies quickly, Responsive Design

Hobbies

Websites Designing, Listening Music, Reading Books, Playing Chess

Projects & Contributions

1. Automated Image-Based Crack Detection using Mobile-Net Architecture

Technology Stack: Python, Deep Learning, MobileNet, Transfer Learning, Flask, Html, CSS, JS, GitHub

Responsibilities & Achievements:

- Integrated MobileNet V2 neural network for Image classification.
- Trained the model with 5000 images of dataset and optimized it with evaluation metrics like Accuracy, Precision, F1 Score.
- Developed User Friendly Interface to perform the prediction.
- Developed admin, user, login modules using Flask

2. Grocery Management System

Technology Stack: Flask, Html, CSS, JavaScript, MySQL, Python, GitHub

Responsibilities & Achievements:

- Developed a Full Stack Grocery Management System using Flask, SQL.
- Designed **RESTful APIs** to handle CRUD operations.
- Integrated a payment gateway where users can scan a QR code to do UPI payments.
- Managed version control with **Git/GitHub**, performing code reviews and team collaboration.

3. Virtual Computer Assistance Using Python (JARVIS)

Technology Stack: Python, Speech Recognition, pyttsx3 library, API Integration, Automation

Responsibilities & Achievements:

- Developed an intelligent voice assistant capable of performing system-level automation tasks through voice commands.
- Features: Open apps, search Wikipedia, play YouTube videos, send emails, check weather updates.
- Utilized: Speech Recognition, pyttsx3, Web Browser, Wikipedia.
- Demonstrated real-time automation and modular architecture for future scalability.

4. Personal Event Management System Using Mern Stack

Technology Stack: MongoDB, ExpressJS, ReactJS, NodeJS.

Responsibilities & Achievements:

- Developed the backend using **Node.js** and **Express.js** to manage RESTful APIs and handle college event data securely.
- Utilized **MongoDB** for robust storage and efficient retrieval of events and user information.
- Designed an intuitive, responsive user interface with **React.js** for a seamless event browsing and registration experience.
- Implemented real-time updates and notifications **Pop-Ups** through Node.js, improving user engagement and event management efficiency

Internship Experience

- **MERN Stack Development Intern – Blackbuck Engineers Pvt. Ltd. – [May 2024 – August 2024 (8 Weeks)]** Built full-stack web applications using Flask, Node.js, React, and MongoDB. Developed secure REST APIs and CRUD functionality.
- **Generative AI & Prompt Engineering Intern – Blackbuck Engineers Pvt. Ltd. – [May 2025 – July 2025 (8 Weeks)]** Designed prompt optimization tools and automated tasks using Python for Generative AI applications.
- **Artificial Intelligence & Machine Learning Intern – Google – [October 2024 – December 2024 (10 Weeks)]** Developed predictive analytics models using Python, scikit-learn, and TensorFlow, improving model accuracy by 15%.

Education

Bachelor of Technology (BTech) in Artificial Intelligence & Machine Learning

Jawaharlal Nehru Technological University, ALTS College - Dec 2021 – July 2025

CGPA: 7.73

Intermediate (Class XII) – MPC (Maths, Physics, Chemistry)

Narayana Junior College - Jun 2018 – Apr 2020

Percentage: 91.2%

Secondary School Certificate (SSC – Class X)

Good Children E.M High School - Mar 2018

CGPA: 9.5

Achievements

- Won 1 st Prize in College Mini Project EXPO for Project “JARVIS”
- Won 1 st Prize in College Paper Presentation Competition on World Emerging Computer technologies
- Won the Best Paper Award in 2024 & 2025 from Narasimha Reddy College (HYD), Velammal Institute of Technology (CHE)

Certifications

- MERN Stack – Blackbuck Engineers
- MongoDB Fundamentals – MongoDB University
- Python Full Stack Development – Vstand4U Solutions
- Artificial Intelligence & Machine Learning – Google
- Data Analysis Using Python – IBM
- Robotic Process Automation – ICT Academy
- ChatGPT, Prompt Engineering & Generative AI - Blackbuck Engineers