

Jayesh Muley

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ACHIEVEMENTS

BIONEST CFTRI MYSORE FOOD TECHATHON | FINALIST

Feb 2025 | Mysore, India

- Ranked **6th out of 50 finalists** from over **300+ participating teams** across India.
- Showcased *Nutrivista*, a smart food recommendation and ordering platform focused on health and nutrition.
- Developed a full-stack web application using the MERN stack, with ML-based meal suggestions achieving **88% accuracy**.
- Collaborated in a 2-member team to deliver a working MVP in under 24 hours, praised for usability and innovation.
- Received recognition from CFTRI experts for integrating AI with personalized health-tech in a scalable solution.

PROJECTS

NUTRIVISTA | CLIENT-SERVER ARCHITECTURE FOR FOOD ORDERING SYSTEM

- Designed scalable backend services with Node.js, Express.js, and MongoDB to handle **300+ orders** and securely store user information for over **100+ customers**.
- Integrated Stripe API for secure payment processing, maintaining a **98% transaction success rate**.
- Implemented a feedback module that collected over **150 user reviews**, helping improve the service based on real customer input.
- **Tools:** MongoDB, Express.js, React.js, Node.js, Tailwind CSS, Stripe API, TensorFlow, Content-based filtering, Dialogflow.

GRAMINMITRA | CLIENT-SERVER PLATFORM FOR RURAL JOB MATCHING

- Coded robust APIs using the same tech stack to support **500+ job listings** and efficiently manage data for **300+ registered rural users**.
- Integrated a job recommendation ML model in Python with **75% accuracy**, enabling basic personalized job matching.
- Deployed a Dialogflow chatbot that handled over **200 user queries/month**, offering guidance in Hindi and English.
- **Tools:** MongoDB, Express.js, React.js, Node.js, NLTK, Cosine Similarity, KNN, Firebase, Scikit-learn, Pandas, Dialogflow.

TEXBEE | REAL-TIME MESSAGING SYSTEM WITH SECURE AUTHENTICATION

- Implemented secure RESTful APIs to facilitate user authentication and real-time chat functionality for **100+ users**, leveraging Node.js, Express.js, and MongoDB.
- Created chat room functionality supporting **1-on-1 and small group chats** of up to 10 users.
- Integrated Socket.io for real-time messaging with average message delivery latency of under **120ms**.
- Secured chat data using token-based authentication and validation, reducing error requests by **25%**.
- **Tools:** MongoDB, Express.js, React.js, Node.js, Socket.io.

EDUCATION

VIT BHOPAL UNIVERSITY

INTEGRATED MTECH IN ARTIFICIAL

June 2022 – June 2027

GPA: 8.86/10.0

PUNA

INTERNATIONAL SCHOOL

CLASS 12TH

June 2020 – June 2021

Percentage: 84.6

VEDANT

INTERNATIONAL SCHOOL

CLASS 10TH

June 2018 – June 2019

Percentage: 93.8

SKILLS

PROGRAMMING

Java • C++ • Python

• HTML • CSS • JavaScript • SQL

TECHNOLOGY

Git/Github • Mongo DB • Express.js

React.js • Node.js • RESTful APIs

Artificial Intelligence • Socket.io

PUBLICATIONS

NEURAL COMPUTING AND APPLICATIONS

A COMPARATIVE STUDY OF CLASSICAL MACHINE LEARNING AND DEEP LEARNING TECHNIQUES IN

IDENTIFYING DEEPFAKES

June 2025 | Bhopal, India

SOCIETIES

ANDROID CLUB -- VIT BHOPAL

CO-LEAD OF SOCIAL MEDIA

DEPARTMENT

Monitored and analyzed social media metrics, providing insights that boosted follower growth by **20%** and improved campaign reach by **40%**.

Engaged with over **500+ followers** through interactive content, quizzes, and live sessions, enhancing the club's visibility and community participation.