

# Jayesh Muley

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## Education

<b>Vedant International School</b> , Class 10 <sup>th</sup>	June 2018 – June 2019
• Percentage: 93.8	
<b>Puna International School</b> , Class 12 <sup>th</sup>	June 2020 – June 2021
• Percentage: 84.6	
<b>VIT Bhopal University</b> , Integrated MTech in Artificial Intelligence	June 2022 – June 2027
• GPA: 8.86/10.0	

## Certification

• <b>The Bits &amp; Bytes of Computer Networking</b> — Google (Coursera)	2023
• <b>Data Analytics Specialization</b> — Google (Coursera)	2023
• <b>Advanced Data Analytics Specialization</b> — Google (Coursera)	2023
• <b>Applied Machine Learning in Python</b> — University of Michigan (Coursera)	2023
• <b>NPTEL Online Certification Cloud Computing</b> — NPTEL Cloud Computing	2024

## Projects

<b>Nutrivista</b>	nutrivista.com
• Designed scalable backend services with Node.js, Express.js, and MongoDB to handle <b>300+ orders</b> and securely store user information for over <b>100+ customers</b> .	
• Integrated Stripe API for secure payment processing, maintaining a <b>98% transaction success rate</b> .	
• Built frontend components with React.js and Tailwind CSS, ensuring <b>responsive design across devices</b> , resulting in a <b>10% increase</b> in repeat visits.	
• Implemented a feedback module that collected over <b>150 user reviews</b> , helping improve the service based on real customer input.	
• <b>Tools:</b> MongoDB, Express.js, React.js, Node.js, Tailwind CSS, Stripe API, TensorFlow, Content-based filtering, Dialogflow.	
<b>GraminMitra</b>	graminmitra.com
• Coded robust APIs using the same tech stack to support <b>500+ job listings</b> and efficiently manage data for <b>300+ registered rural users</b> .	
• Integrated a job recommendation ML model in Python with <b>75% accuracy</b> , enabling basic personalized job matching.	
• Engineered RESTful APIs with average response times under <b>400ms</b> for reliable frontend-backend integration.	
• Deployed a Dialogflow chatbot that handled over <b>200 user queries/month</b> , offering guidance in Hindi and English.	
• <b>Tools:</b> MongoDB, Express.js, React.js, Node.js, NLTK, Cosine Similarity, KNN, Firebase, Scikit-learn, Pandas, Dialogflow.	
<b>Texbee</b>	texbee.com
• Implemented secure RESTful APIs to facilitate user authentication and real-time chat functionality for <b>150+</b> users, leveraging Node.js, Express.js, and MongoDB.	
• Created chat room functionality supporting <b>1-on-1 and small group chats</b> of up to 10 users.	
• Integrated Socket.io for real-time messaging with average message delivery latency of under <b>120ms</b> .	
• Secured chat data using token-based authentication and validation, reducing error requests by <b>25%</b> .	
• <b>Tools:</b> MongoDB, Express.js, React.js, Node.js, Socket.io.	

## Extracurricular Activities

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**Co-Lead of Social Media Department**, Android Club – VIT Bhopal

Feb 2023 – Dec 2024

- Coordinated with the marketing team to design and implement impactful visual content for social media platforms, increasing engagement by **35%** in 3 months.
- 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.

## Achievements

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**Finalist – BioNEST CFTRI Mysore Food Techathon**, Mysore, India

Feb 2025

- Ranked **6<sup>th</sup> 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.

## Publications

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**A Comparative Study of Classical Machine Learning and Deep Learning Techniques in Identifying Deepfakes** *Neural Computing and Applications*

June 2025

*Jayesh Muley*, Anshika Jain, Kushal Zanzari, Sneha Chandravanshi, Taufik Hussain

## Technologies

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**Languages:** Python, Java, C++, SQL, HTML, CSS, JavaScript

**Technologies:** Mongo DB, Express.js, React.js, Node.js, RESTful APIs, Scikit-learn, Pandas, NumPy, Socket.io

## Hobbies

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Blogging, Photography, Reading nonfiction and Technology articles, Volunteering, Learning new Technologies,  
Playing: Cricket, chess