

Jayesh Muley

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Education

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

Certification

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

Projects

Nutrivista

- 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**.
- Built frontend components with React.js and Tailwind CSS, ensuring **responsive design across devices**, resulting in a **10% increase** in repeat visits.
- 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

- 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.
- Engineered RESTful APIs with average response times under **400ms** for reliable frontend-backend integration.
- 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

- Implemented secure RESTful APIs to facilitate user authentication and real-time chat functionality for **150+ 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.

Extracurricular Activities

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

Finalist – BioNEST CFTRI Mysore Food Techathon, Mysore, India

Feb 2025

- 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.

Publications

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

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

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