

VISHAL RAJESH MAHAJAN

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.E.(IT)	St.Francis Institute of Technology,Mumbai	7.5 (Current)	2022-Present
Senior Secondary	Maharashtra State Board	83.5%	2022
Secondary	Maharashtra State Board	91.8%	2020

TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, C

Frontend Technologies: React, Tailwind CSS, HTML, CSS, JavaScript (ES6+)

Backend Technologies: Node.js, Express.js, FastAPI, Flask, REST APIs

Machine Learning: Scikit-Learn

Databases: MongoDB, PostgreSQL, MySQL

Developer Tools: Git, Docker, Linux, AWS

LATEST PROJECTS

HealthCast | *FastAPI, Scikit-Learn, Jupyter* | [GitHub](#)

Apr 2024

- Developed machine learning models using Scikit-Learn, achieving **high accuracy in disease prediction** based on patient-reported symptoms and clinical data, resulting in improved diagnostic processes.
- Spearheaded the **deployment of machine learning models with FastAPI**, enabling real-time disease prediction, which improved healthcare response times and decision-making efficiency.
- Contributed to **seamless integration** of the machine learning model into the **FastAPI backend**, improving system performance and user experience.

EventHive | *Reflex, FastAPI, Python, Postgres* | [GitHub](#)

Mar 2024

- Developed EventHive**, a comprehensive ticketing and verification platform using the **Reflex framework and FastAPI**, resulting in a reduction of event entry wait times and significant operational efficiency for college events.
- Integrated Razorpay SDK** for secure payment processing, implemented dynamic QR code generation for real-time ticket authentication, and utilized Cloudinary for scalable cloud storage.
- Enhanced user experience and system reliability** through a **user-friendly dashboard**, robust database management with **PostgreSQL**, and efficient backend deployment with Uvicorn, leading to a seamless and error-free event management system.

Nivala | *MERN Stack (MongoDB, Express.js, React.js, Node.js)* | [Deployed Link](#) | [GitHub](#)

Oct 2024

- Architected a complete MERN stack solution**, developing both a customer-facing food ordering portal and an admin dashboard, enabling real-time management of food items, orders, and user data.
- Integrated JWT-based authentication** for secure user sessions, and implemented RESTful APIs for seamless data management between MongoDB and the frontend.
- Optimized frontend API calls** to improve data synchronization between the customer portal and admin dashboard, resulting in faster load times and a more responsive user experience.

RELEVANT COURSEWORK

- Data Structures
- Operating System
- Computer Architecture
- Database Management
- Computer Network
- Software Engineering

LEADERSHIP / EXTRACURRICULAR

Information Technology Students' Association (ITSA)

July 2024 – Present

Vice President

- Orchestrated** multiple events and workshops, enhancing technical skills within the student community and achieving a significant increase in engagement.
- Led a cross-functional team** of 30+ members to successfully execute a 48-hour online hackathon, drawing participation from over 800 coders across India.