

Sachin Rathod

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SUMMARY

I am pursuing a Bachelor of Engineering in Computer Engineering from the University of Mumbai. I have experience in developing web applications and a strong foundation in the frontend technologies. My passion lies in using technology to solve real-world issues, as demonstrated through my projects like the Medical Recommendation System, Food Delivery System and Others.

EDUCATION

- **UNIVERCITY OF MUMBAI** 2022-2026
Saraswati Collage of Engineering, Kharghar
Computer Engineering (3rd Year Pursuing)

PROJECTS

Medical-Recommendation-System: ML

Developed a **Personalized Medical Recommendation System** using **Python** and **Pandas** for data analysis and preprocessing. Implemented **machine learning models** to provide accurate treatment recommendations, medication suggestions, and personalized healthcare insights. Designed a **user-friendly web interface** with **HTML**, ensuring seamless real-time interaction. Utilized **Jupyter Notebook** for **data visualization**, **model training**, and analysis, enabling data-driven decisions. Integrated advanced **data processing techniques** to suggest optimal healthcare plans, ultimately improving patient outcomes.

Food-Delivery-System:

Developed a **Food Delivery System** web application using **HTML**, **React**, **CSS**, **JavaScript**, and **Bootstrap** for a responsive, user-friendly interface. Designed interactive **UI components** with React, allowing customers to browse menus, place orders, and track deliveries. Utilized **CSS** and **Bootstrap** for a **visually appealing, mobile-friendly design** optimized for all screen sizes. Integrated **JavaScript** for **dynamic content updates**, including real-time order tracking and payment simulation. Focused on building a **scalable, responsive application** with smooth performance across devices and browsers.

Road-Safety-Object-Detection : PY

Developed a **Road Safety Object Detection** system using **Python** and **YOLO** to detect critical road safety objects in real-time. Utilized **YOLO** for fast and accurate object detection, identifying key objects such as **helmets** and **vehicles**. Built a **real-time video processing pipeline** using **OpenCV** for live camera feeds, ensuring seamless object tracking and detection. Integrated **data processing** techniques to optimize detection accuracy and improve safety outcomes. Focused on creating a **responsive, efficient, and scalable** system for enhanced road safety monitoring.

MY-PORTFOLIO:-

Created a **personal portfolio website** using **HTML**, **CSS**, **JavaScript**, and **Bootstrap** to showcase projects, skills, and achievements. Designed a **responsive** layout optimized for both desktop and mobile devices. Utilized **Bootstrap** components for a visually appealing, user-friendly interface with smooth navigation. Focused on creating a **professional and dynamic portfolio** with interactive elements to engage visitors.

PROGRAMMING SKILL

- **Frontend Development:** HTML, CSS, JavaScript, React, Vue.js
- **Backend Development:** Java, Python
- **Database Management:** MY SQL, ORACLE SQL
- **Web Development Tools & Libraries:** Bootstrap
- **Version Control:** Git, GitHub

KEY SKILLS

- MS OFFICE
- MS EXCEL
- MS POWER POINT
- MS WORD