

Dhirajkumar Upacharya

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PROFESSIONAL SUMMARY

Enthusiastic Computer Engineering student with hands-on experience in web and Java development. Proficient in JavaScript, Java, and Python, with a solid understanding of data structures, algorithms, and web technologies.

EDUCATION

SSVPS Collage of Engineering, Dhule

B.Tech in Computer Engineering

Dhule, Maharashtra

Aug. 2023 – May 2026

Government Polytechnic Dhule

Diploma in Computer Engineering

Dhule, Maharashtra

Aug. 2020 – May 2023

STTK Mahajan Highschool, Dhule

SSC

Dhule, Maharashtra

2020

TECHNICAL SKILLS

Languages: C, C++, Java, Python, Javascript

IT Concepts: Data Structures, Algorithms, OOP, OS, DBMS

Web Development: HTML, CSS, PHP

Developer Tools: VS Code, Android Studio, IntelliJ, PyCharm, Visual Studio, Eclipse IDE

PROJECTS

Face Mask Detection System | *Python, Machine Learning,*

- Developed an AI-powered real-time face mask detection system using deep learning and computer vision techniques. The project aimed to identify whether individuals are wearing face masks in public spaces by processing live video streams or static images.
- Designed and trained a Convolutional Neural Network (CNN) using TensorFlow and Keras to classify face images as "Mask" or "No Mask" with high accuracy.
- Utilized OpenCV and imutils for real-time video stream processing, face detection using Haar cascades and DNN face detectors.
- Applied NumPy and SciPy for efficient image preprocessing, array manipulation, and performance optimization.
- Visualized model performance and training metrics using Matplotlib to track accuracy, loss, and evaluate model generalization.
- Achieved real-time detection capabilities with frame-by-frame analysis, enabling integration with CCTV or webcam systems.

Real Estate Application | *MongoDB, Express.js, React.js, Node.js*

- Developed a full-stack real estate application, implementing features for property listings and user authentication.
- Utilized MERN stack technologies to create a responsive and interactive user interface.
- Integrated RESTful APIs to enhance data retrieval and management for efficient user experience.
- [Checkout](#)

Currency Converter Application | *React, Tailwind CSS*

- Developed a responsive currency converter application using React for dynamic user interactions.
- Styled the application with Tailwind CSS for a modern and user-friendly interface.
- Implemented API integration for real-time currency exchange rates.
- Optimized application performance through efficient state management.
- [Checkout](#)

EXTRACURRICULAR ACTIVITIES

Participated in district-level volleyball and kabaddi competitions, demonstrating teamwork and sportsmanship.

CERTIFICATES

Java: LinkedIn

C, C++, java: Spoken Tutorial by IIT Bombay