Sudhanshu Singh

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github.com | linkedin

Skills

Languages: C, Java, JavaScript, Python

Frontend: HTML, CSS, React.js, Tailwind CSS, jQuery

Backend: Node.js, Express.js

Databases: MongoDB(NoSQL), MySQL(SQL)

Key Concepts: OOPS, Database Management System, Operating System, Data Structure and Algorithm, REST APIs, JWT, Git, Github, Responsive Web Design.

Soft Skills: Problem-Solving, Collaboration

Education

Bachelor of Technology in Computer Science and Engineering *Aug 2021 - Jun 2025*
Shivalik College of Engineering, Dehradun, Uttarakhand
Percentage: 70%

Project Work

Recipes : React, Node.js, MongoDB, Express
Git hub ||Demo

- Developed an web app that helps users find and share recipes and can search using the ingredients they have at hand.
- Implemented a conventional **REST API** to support CRUD operations and designed intuitive UI/UX workflows for smooth navigation.
- Ensured a responsive and user-friendly interface for accessibility on various devices.

Real-Time Code Collaboration Web App: Socket.io, JavaScript, react
Git hub||Demo

- Created a real-time Code Collaboration web app using Socket.io, JavaScript enabling **2+ users** to write, edit, and view code **simultaneously**.
- Designed and implemented core collaboration features including live synchronization and instant updates with **<200ms latency**.
- Ensure a clean and responsive user interface in React to enhance the user experience across all devices.

Face Mask Detection: Python, OpenCV, Machine Learning, Streamlit
Git hub||Demo

- Built a real-time Face Mask Detection web application using **Streamlit, TensorFlow, OpenCV**, and a custom-trained MobileNetV2 deep learning model.
- Prepared and processed a comprehensive dataset with XML annotation ensuring high-quality face and mask classification.
- Achieved over 95% test accuracy through effective model training, data augmentation, and optimization techniques.

Achievement and Certificates

- **Complete web development course – Udemy**
  Completed a project-based course covering HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB, REST APIs, and deployment.
  Certificate Link – View Certificate
- **Front End Development Libraries Certifications - freecodecamp**
  Completed a project-based course covering frontend libraries.
  Certificate Link – View Certificate