

Lakshman Tripathi

✉ 2003lakshtripathi@gmail.com

📍 Ghaziabad, UP, India

☎ 9305079129

🌐 <https://www.linkedin.com/in/lakshman-tripathi-36b137202/>

🎓 EDUCATION

B.Tech (CSE-AI) ABES INSTITUTE OF TECHNOLOGY	09/2020 – 08/2024 Ghaziabad,UP
INTERMEDIATE SVM SR SEC SCHOOL	2018 – 2019 Sultanpur,UP, India
HIGH SCHOOL S.V.M. SR. SEC. SCHOOL	2016 – 2017 Sultanpur,UP, India

🧠 SKILLS

MERN STACK: — HTML | CSS | JAVASCRIPT | Node.js | React.js | MongoDB | Expressjs

Skills — Python | SQL | OOPs | JavaScript | Html | CSS | DBMS | DSA

📁 PROJECTS

Web Based Streaming and Broadcasting Web Application

- **Technology:** HTML5, CSS3, JavaScript, React.js, Node.js, WebRTC, Socket.io
- Successfully reduced video streaming latency by optimizing WebRTC configurations. Enhanced user engagement by integrating interactive features such as chat and live comments.
- Received positive feedback from users for the application's performance and ease of use

PPE VIOLATION DETECTION:

IMAGE DETECTION:

- **Technology:** Python, OpenCV, and TensorFlow to process images, identify PPE presence, and detect violations.
- Developed a PPE Violation Detection system.
- Trained an object detection model on a labelled dataset of images containing individuals wearing Personal Protective Equipment (PPE) such as helmets and vests.

PPE Violation Face Detection System:

- **Technology:** Python and OpenCV to analyze real-time video streams.
- Developed a PPE Violation Face Detection system.
- Trained a deep learning model to accurately detect faces and recognize the presence of Personal Protective Equipment (PPE) like masks and helmets.

e-COMMERCE WEBSITE(MYNTRA)

- **Technology:** React.js, Redux, React Router, Node.js, Express.js, MongoDB, JWT.
- Developed a responsive e-commerce web app mirroring Myntra's functionality using React.js.
- Built UI components with React.js, managed state using Redux, and implemented client-side routing with React Router. Developed RESTful APIs with Node.js and Express.js, integrated MongoDB for data storage, and enabled user authentication via JWT.

Social media

- **Technology:** React.js, Redux, React Router, RESTful APIs.
- Developed a dynamic social media web application using React.js to emulate popular social platforms' features.
- Designed and implemented UI components, managed application state with Redux, and facilitated smooth navigation with React Router. Integrated backend APIs for data retrieval and storage, ensuring seamless user experience