

YASH PACHAURI

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Education

The LNM Institute of Information Technology, Jaipur

Aug 2020 – May 2024

B.Tech. in Electronics and Communication Engineering

CGPA : 7.30/10

Boston Public School, Agra

2018 – 2020

12th Grade - CBSE

Percentage : 92%

St. Francis Convent School, Agra

2018

10th Grade - CBSE

Percentage : 94.33%

Key Expertise / Skills

- | | | | |
|---------------------------------|------------------------------|---------------------------------------|--|
| • Data Structures and Algorithm | • C / C++
• HTML
• CSS | • JavaScript
• Reactjs
• Nodejs | • DBMS
• Operating System
• OOPs |
|---------------------------------|------------------------------|---------------------------------------|--|

Projects

Virtual Classroom | [Github](#) | [Live](#) | *Reactjs, Nodejs, Expressjs, Javascript, MongoDB*

June 2023

- Developed a virtual classroom using React for the front end to create a dynamic and responsive user interface, while **Node.js** and **Express.js** facilitated robust backend functionality and efficient **REST-API** handling.
- Integrated user authentication using **Passport.js** for secure login and authorization along with session storage, ensuring access control and privacy of class-related activities.
- Implemented key features like class creation, joining classes, announcement feeds, participant control, and class status providing a platform for seamless communication and collaboration among participants.

Travel Blogsite | [Github](#) | [Live](#) | *HTML, Ejs, Nodejs, Expressjs, Javascript, MongoDB*

May 2023

- Developed a dynamic travel blog site using **Ejs templates** for the front end and Node.js with Express.js for backend.
- Integrated **MongoDB** database with Mongoose to efficiently manage and store article data.
- Implemented features for authors to create, edit, and delete articles, ensuring a seamless content management system.
- Created an admin panel with passport authentication to allow multiple registered authors, granting site owner control over article posting.
- Included article details like Title, content, timestamps and author information to enhance user experience and credibility.

Kick Detection and Pose estimation | [Github](#) | *OpenCV, Python, Pose detection, Machine Learning*

April 2023

- Developed an automated system to detect and count the number of kicks in a given video sample.
- Utilized **Mediapipe** utilities along with **OpenCV** for Pose detection, enabling the drawing of landmarks on the image for enhanced analysis.
- Employed **Yolov3** for object detection, specifically identifying persons within the video frames using NMS.
- Trained a dataset for "Kicking" and "Standing," effectively enabling accurate kick detection and analysis.

Achievements

- Secured **2nd Position** in Robolympics competition in Technical fest of BITS Pilani Apogee, where I worked on a transporter bot designed to complete the track and perform tasks.

CO-CURRICULAR ACTIVITIES

- Division Head in Phoenix (Robotics Club of LNMIIT)
- Associate Coordinator at Counselling Cell LNMIIT

Web Links

- [Github](#) 
- [Leetcode](#) 