

MAYANK RAWAT

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EDUCATION

JC BOSE UST YMCA

Bachelor of Engineering

Cumulative GPA – 7.00/10.00

Major in Computer Engineering with Specialization in Data Science

June 2025
Faridabad, Haryana

KCM WORLD SCHOOL

12th, Non-Medical

Percentage – 85.4

August 2021
Palwal, Haryana

KCM PUBLIC SCHOOL

10th Standard

Percentage – 82.2

April 2019
Banchari, Haryana

SKILLS

Programming C, C++, Java, Javascript, Git, NPM, ReactJS, NodeJS, ExpressJS, MongoDB.

Coursework Object Oriented programming, Python, Data Structure and Algorithm, Operating System, Computer Architecture, Computer networks, Artificial Intelligence, Data Base Management System.

Tools/ToolKits Github, VS code, Canva, OpenAI, Postman

EXPERIENCE

INTERNARMY

MernStack Developer Intern(Virtual)

April 2024 – May 2024
Bhopal, Madhya Pradesh

- Completed a 4-week virtual internship focused on developing responsive websites, improving performance by 40% and enhancing SEO, resulting in a 30% increase in organic traffic for client projects.
- Developed and managed more 50% of the web interfaces for an interactive chat application using the MERN stack.
- Utilized TailwindCSS to develop interactive and responsive web pages.

PROJECTS

SCORE PREDICTOR | Python, Machine Learning, Predictive Modeling [Link/Code](#)

June 2024

- Developed a Streamlit application for predicting final cricket scores using a pre-trained machine learning model.
- Utilized pickle to load and integrate the model.
- Implemented user input collection for match parameters, including team selection, current score, overs completed, wickets lost, and runs scored in the last 5 overs.
- Designed feature calculations such as balls left, wickets left, and current run rate.
- Encoded team names into integers for model compatibility.
- Predicted final scores using the collected inputs and displayed results dynamically.
- Ensured an intuitive user interface for seamless interaction and accurate predictions.

COLLABORATIVE TEXT EDITOR | ReactJS, NodeJS, ExpressJS [Link/Code](#)

April 2024

- Developed a real-time collaborative text editor using Node.js, Express.js, React.js, and Socket.io.
- Implemented unique room IDs for user sessions, enhancing user experience and session management.
- Enabled real-time code and text editing with multiple users through WebSocket communication.
- Integrated user authentication and displayed participant names in each session for better collaboration.
- Focused on responsive and intuitive UI design to enhance user interaction and engagement.

FACIAL EXPRESSION | HTML, CSS, Javascript [Link/Code](#)

March 2024

- Utilize a Javascript library to detect faces from the video feed provided by the live WebCam, draw bounding boxes around detected faces on the canvas for visual feedback.
- Implement functionality to predict the age and gender of detected faces
- Recognizes facial expressions such as happiness, sadness, etc.
- Calculate and display a confidence score (between 0 to 1) for each detected expression, indicating how strongly the person's expression matches the recognized emotion.
- Continuously update the UI to reflect real-time changes in detected faces, expressions, age, and gender.

- Created and optimized a comprehensive Fitness website targeting sedentary lifestyles, which boosted user engagement by 30%
- Accessed a vast library of over 1300 exercises
- Launched a comprehensive library of YouTube video tutorials to enhance exercise accuracy, boosting user engagement by 45% through personalized recommendations for exercises targeting similar muscle groups.
- Engineered an AI-driven Chat Bot for seamless support on exercise and diet queries; boosted user retention by 40% and decreased manual intervention by 50% .

- Engineered an immersive gaming website featuring a plethora of interactive games complemented by simulated download links for a seamless user experience.
- Empowers users to engage with an extensive array of games directly hosted on the website for seamless playability and uninterrupted entertainment.
- This website's exceptional responsiveness ensures effortless compatibility across all devices, facilitating smooth performance and accessibility on any platform.