

# Mayank Chauhan

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## EDUCATION

### Indian Institute of Information Technology, Kalyani

Bachelor of Technology- Computer Science and Engineering

Kalyani, Nadia, WB

Oct, 2020 - May, 2024

## EXPERIENCE

### Bharat Electronics Limited, Ghaziabad, Uttar Pradesh, India

June, 2023 - July, 2023

Web Developer and Research

Onsite

- Developed a dummy website for Bharat Electronic Limited using HTML, CSS, and JavaScript, detailing nine locations and showcasing company information.
- Demonstrated expertise in Software Development Life Cycle for Network-Centric Systems, optimizing methodologies and implementing best practices. Researched Radar Systems, including NFTR testing(100% indoor testing range), contributing to strategic insights.

### Full Stack Intern

Jan, 2024 - present

Cehpoint E-Learning And Cyber Security, Kolkata, West Bengal, India

Remote

- Boosted user engagement by 25% with an interactive website, fostering efficient hiring practices for developers and employers while providing a user-friendly environment for project execution.
- Orchestrated the development of an interactive freelancer platform, integrating cutting-edge technologies like React.js and Tailwind CSS. Crafted an engaging assessment page with user-centric design, enhancing the hiring process and user experience.

## PROJECTS

### Detected Tropical Cyclones Centre in INSAT-3D Satellite Images Using Computer Vision

- Tools & technologies used:** Python3, Computer vision, YOLO-v8, Roboflow, etc.
- Automated detection of cyclone centers in INSAT-3D images using YOLOv8, enhancing resolution with interpolation and precise annotation.
- Collected and formatted Bay of Bengal cyclone data (Nov 10-19, 2018) for model training; achieved classification accuracy of 50%-100% with an F1 score of 0.88.

### Built a Social Media Application X-pod

- Tools & technologies used:** NodeJS , React ,ExpressJS ,MongoDB.
- Developed X-pod, a full-stack social media app with NodeJS, ExpressJS, and React, optimizing write operations by 30%.
- Implemented Firebase OAuth for secure authentication, increasing user engagement by 20% and reducing unauthorized access by 25%, enhanced search efficiency and reduced search time by 30%.

### Built a Backend for a Video Streaming Application

- Tools & technologies used: NodeJS, Cloudinary, ExpressJS, MongoDB.
- Backend development for the video streaming app is 100% complete, ensuring efficient video storage. Currently focusing on frontend implementation to enhance user experience.
- Transitioning to frontend development after successfully completing backend tasks, aiming for a seamless user interface.

## TECHNICAL SKILLS

**Languages:** C/C++, JavaScript, Python, SQL.

**Frameworks:** ReactJS, NodeJS, ExpressJS, ViteJS, NextJS, Tailwind CSS, jQuery, Bootstrap

**Libraries:** Pandas, Numpy, Matplotlib, Sklearn, Plotly, Tensorflow, PyTorch, Jupyter, OpenCV

**Databases and Tools:** MongoDB, SQL, Git, GitHub, Jupyter Notebook, Postman, Roboflow

**Areas Of Interest:** Machine Learning, Web Development, Computer Vision

## ACHIEVEMENTS

- Uttar Pradesh Science Talent Search Examination (UPSTSE) Scholar.**
- Secured **75th** Rank in **GeeksOfGeeks ML Hackathon 2023.**
- Bronze Medalist** at **All India Roller Skating Open Championship.**
- Winner** of Intra IIIT Kalyani Cricket Tournament 2023-2024.