

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 - July, 2024

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

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, providing efficient data handling and processing capabilities.
- The project is 60% completed with ongoing frontend development, ensuring seamless user experiences and robust video streaming functionalities.

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.

PROGRAMMING SKILLS

Languages: C/C++, SQL, Html, CSS, JavaScript, Python

Frameworks: ReactJS, NodeJS, ExpressJS, Tailwind CSS, Bootstrap, Redux

Databases and Tools: NodeJS, ExpressJS, MongoDB, Firebase, PL/SQL Git, GitHub, Postman

Areas Of Interest: Machine Learning, Web Development

ACHIEVEMENTS

Uttar Pradesh Science Talent Search Examination (UPSTSE) Scholar.

Secured **75th** Rank in **GeeksForGeeks ML Hackathon 2023.**

Bronze Medalist at **All India Roller Skating Open Championship.**

Winner of Intra IIIT Kalyani Cricket Tournament 2023-2024.