

AAYUSH KUMAR

CMR Institute of Technology

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in [Aayush-Kumar](#)

EXPERIENCE

Artificial Intelligence Intern - AuxPlutes Tech AI Engineer

📅 Oct 2024 - Jan 2025

📍 Bengaluru

- Developing responsive and dynamic user app using React native.
- Integrating AI/ML models to improve system intelligence and decision-making.
- Integrated third-party libraries and APIs to enhance app functionality and improve efficiency.
- Designing and implementing server-side logic using Node.js and Express.js.
- Utilizing React Router for efficient navigation and dynamic routing.

Machine Learning Intern - EBTS Organization Machine Learning

📅 July 2024 - August 2024

📍 Rural

- Pre trained and optimized machine learning models, driving actionable insights; led training sessions for 5 team members, integrating these models into daily operations with a 20% improvement in decision-making efficiency.
- Provided key troubleshooting support to a team of developers, ensuring smooth and efficient execution of complex algorithms.
- Pioneered innovative solutions, enhancing machine learning processes and boosting overall project efficiency by 15%.

ACHIEVEMENTS

- Qualified for final stage in SIH 2024.
- Secured 1st place in the Technovation-2024 inter-college contest, showcasing innovative thinking.
- Won 2nd place in inter college TEXPLORE-2024 contest conducted by IEEE.
- Advanced to the Semifinals in EYSS 2022.
- Qualified for the second stage in eYRC 2023 conducted by IIT, Bombay.

TECHNICAL SKILLS

- Proficient in: Python, C++, Java, and C; experienced with Arduino IDE for embedded systems.
- Skilled in: ROS, Eclipse, Solid-Edge, VS Code, and PyCharm; adept at using Arduino IDE for IoT projects.
- Skills: Frontend: React.js, HTML5, CSS3, JavaScript, Bootstrap | Backend: Node.js, Express.js, REST APIs | Databases: MySQL | Version Control: Git, GitHub | Other: Axios, React Router, Postman, NPM

PERSONAL SKILLS

- Developed strong time management skills through participation in various competitive events.
- Participated in individual Hackathons.

HOBBIES

- Playing Badminton, Playing Chess, Listening Music.

EDUCATION

B.Tech. (AINDS) - 8.99 CGPA

CMR Institute of Technology

📅 December 2021 - Currently

Higher Secondary - 79.6%

Central Academy, Kota

📅 2021

Secondary - 91%

Excellent Public School

📅 2019

PROJECTS

Geo Guide bot

- Innovated a cutting-edge surveillance system with OpenCV and machine learning; deployed drone technology for event classification and live bot tracking, achieving a 35% improvement in operational efficiency and coverage.
- Tools used: Arduino IDE, QGIS, VS code
- Learning Outcome: Learnt about IR sensors, Arduino IDE language, QGIS software, hardware components.

Blockchain based e-Vault

- Engineered a blockchain-based e-Vault for secure document storage leveraging IPFS and Ethereum smart contracts; prioritized gas fee reduction and authorization management, enhancing efficiency by 40% and security by 30%.
- Tools used: IPFS, Ethereum, Smart-contract.
- Learning Outcome: Learned about the use of integration of IPFS and Ethereum.

Blogging Website

- Engineered a feature-rich blogging platform with JavaScript; facilitated user interaction by integrating add/delete blog functionality and video uploads, leading to a 40% increase in engagement.
- Tools used: Tech stack react Js, Java Script, Node JS.
- Learning Outcome: Developed an understanding of building a blogging website using Java Script.

Hostel Management System

- Used MySQL, PHP, and JavaScript; streamlined administrative tasks by integrating room allocation, fee management, and student record tracking, resulting in a 30% reduction in manual workload.
- Tools used: MySQL, PHP, JavaScript.
- Learning Outcome: Gained expertise in back-end and frontend development, enhancing my understanding of database management.