AYUSH KULHARI

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EDUCATION

Indian Institute of Technology(ISM), Dhanbad   **2020 – 2024**
B.Tech - Electrical Engineering   *Dhanbad, Jharkhand*

PROJECTS

Expense Management System ⧉ | React.Js, MongoDb, Node.Js, Express.Js, JWT, Restful API   **2023**

- Prepared an Expense Management System, can manage over 500 user transactions with JWT authentication.
- Can handle up to 2000 monthly transactions. Utilized Express and Node.js for smooth backend performance.
- Enhanced data security by implementing bcrypt for passwords and reducing unauthorized access by 95%.
- Designed and optimized RESTful APIs for transaction creation, updates, and deletion. Integrated MongoDB for efficient transaction storage, improving data retrieval by 40 percent.

Auto-Pause Chrome Extension ⧉ | HTML, CSS, Javascript, API   **2023**

- Launched an innovative Chrome extension that seamlessly pauses YouTube videos when switching tabs.
- Refined extension performance to ensure smooth video control, resulting in 30 percent faster response.
- Increased user productivity by reducing distractions, with up to 95 % accuracy in detecting tab changes.

Notes App ⧉ | React.Js, Node.Js, Express.Js, MongoDb, TailWind, JWT   **2024**

- Developed a full-stack note-taking application, boosting user interaction by 40 percent.
- Enhanced application security and used bcrypt password hashing and token-based authorization.
- Designed RESTful APIs for CRUD operations, handling up to 1,000 daily note across multiple users.
- Integrated MongoDB, improving data retrieval speed and ensuring scalable, user-specific note storage.
- Created an engaging user interface with React.js that facilitated a smoother onboarding process, built a backend with Node.js and Express.js that improved data retrieval speed by 60%.

EXPERIENCE

Unicus ⧉   **09/2023 – 03/2024**
Software Developer Intern   *Remote*

- Built and optimized front-end dashboards for LLM models, increasing user interaction by 30 percent. Composed custom Django models that reduced backend processing time and accelerated feature rollout.
- Implemented token-based login across domains, improving authentication security and reliability. Revamped product UI with Material UI, resulting in a 40 percent boost in retention rates.
- Applied advanced ReactJS concepts achieving a 20 percent reduction in application load times. Streamlined API call handling with JavaScript, cutting response times by 15 percent and enhancing efficiency.

TECHNICAL SKILLS

- **Languages:** C++, C, JavaScript, Python
- **Web Development:** HTML5, CSS3, Bootstrap, Express, React, Node, RESTful, Redux
- **Database and Tools:** MongoDB, VS Code, Proteus Pro, Matlab, Github
- **Computer Science:** Data Structures and Algorithms, Object Oriented Programming, Computer Networks, Database Management, Operating Systems (Windows and Linux)

CODING PLATFORMS

- Codechef - 3 star (Rating : 1645).
- Codeforces - Newbie (Rating :1177).
- Over 1000 programming problems solved at different platforms.

EXTRACURRICULAR

- As the head organizer, spearheaded the successful planning and execution of Basant 23 at IIT Dhanbad.
- Actively engaged as a vital member of the Cricket Club at IIT Dhanbad in 2023.
- An integral member of Foto Freaks, the esteemed photography club at IIT Dhanbad.