NEERAJ KATHAYAT

Khatima,Uttarakhand

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A motivated Developer Fresher adept at problem-solving, eager to contribute technical skills for organizational growth.

EDUCATION

Vellore Institute of Technology   **06/2023 - Present**
*Master of Computer Application (MCA) - **CGPA** - **8.47***   *Chennai, Tamil Nadu*

Graphic Era Hill University   **10/2020 - 05/2023**
*Bachelor of Computer Application (BCA) - **CGPA** - **8.30***   *Dehradun, Uttarakhand*

PROJECTS

Full-stack E-commerce website | MERN Stack Used   **01 2024**
- Developed using React.js/Redux for the front end, Express.js for the server-side, and MongoDB for the database.
- Implemented user authentication and authorization using JWT tokens and role-based access control.
- Created RESTful APIs for CRUD operations on products, orders, and user profiles.
- Integrated features for product reviews, ratings, and order tracking.
- Utilized state management with Redux to efficiently manage application-wide data.

DailyNews WebApp | Reactjs   **03 2023**
- Developed a React.js-based DailyNews web app with API-based content delivery.
- Utilized React Router for navigation and dynamic content loading based on news categories.
- Integrated external APIs for real-time news data, ensuring relevance.
- Ensured optimal viewing across devices with responsive design.

Battery Health Prediction Using ML & DL | ML and DL   **03 2024**
- Implemented SVM, CNN, and LSTM algorithms for predictive modeling.
- Employed Ensemble Learning, specifically Stacking, with a Random Forest meta-model.
- Utilized Python and libraries like scikit-learn, TensorFlow, and Keras.
- Designed to forecast battery health status for proactive maintenance.

NFT MarketPlace Using BlockChain | Reactjs,solidity,Web3.js   **05 2023**
- Developed decentralized NFT Marketplace using solidity, Reactjs, Web3.js , truffle, ganache.
- Enabled NFT creation, buying, and selling.
- Integrated Metamask for Ethereum wallet integration
- Enabled artists to tokenize digital artwork into NFTs

TECHNICAL SKILLS

Languages: C,C++,Java,JavaScript,SQL
Technologies/Frameworks: HTML, CSS, ReactJS, Redux, NodeJS, ExpressJS, Git/GitHub, MongoDB, Bootstrap, TailwindCSS , BLockChain
Developer Tools: VS Code, Postman API

Academic Achievements

Published research paper titled "Comprehensive Review of Machine Learning, Deep Learning, and Digital Twin Data-Driven Approaches in Battery Health Prediction of Electric Vehicles" in IEEE Access, vol. 12, pp. 43984-43999, 2024. DOI: 10.1109/ACCESS.2024.3380452.

Coding Platforms

- **Leetcode:** Solved **370+** Problems ↗

CERTIFICATIONS

- Java - Certification on JAVA J2EE TalentNext Training Program on Java J2EE Conducted by WIRO