TARUN KUMAR TIWARI

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Education

- **Madhav Institute of Technology and Science Gwalior** *2022-2026*
  BTech in Artificial Intelligence and Robotics CGPA: 8
- **Kendriya Vidyalaya No. 4, AFS Maharajpura, Gwalior** *2021-22*
  Higher Secondary Education (12th Grade) Percentage: 90
- **Kendriya Vidyalaya No. 4, AFS Maharajpura, Gwalior** *2019-20*
  Secondary Education (10th Grade) Percentage: 88

Experience

- **To-Let-Globe** *Aug 2024 - Oct 2024*
  Frontend Developer Intern Lucknow

  Responsibilities

  * Maintained and enhanced the company website by creating new features and optimizing performance.
  * Developed and implemented reusable, responsive, and modular UI components.
  * Collaborated with designers and backend developers to ensure seamless integration and user experience.
  * Debugged and resolved UI issues, improving website functionality and user satisfaction.

Technical Skills and Interests

Computer languages: C++, Python, HTML, CSS, Javascript, Solidity

Frameworks and Libraries: ReactJS, NodeJS, ExpressJS, Redux, NextJS

Blockchain Development Tools: Truffle, Ganache, Web3, Smart Contracts

Styling Tools and Frameworks: Tailwind CSS, Bootstrap

Databases: MongoDB, SQL

Version Control and Collaboration: Git, Github

Languages Known: Hindi,English

Hobbies and Interest : Cryptocurrency, Blockchain, Reading, Sports and Games

Personal Projects

- **Ethereum-Based Crowdfunding DApp**

  A decentralized crowdfunding application enabling users to create, contribute to, and manage fundraising campaigns.

  ### Tools & technologies used:

  * **Smart Contracts:** Solidity for writing secure and efficient blockchain logic.
  * **Storage:** IPFS for decentralized storage of campaign metadata (name, description, image, etc.).
  * **Frontend Integration:** React.js, Ethers.js and MetaMask for seamless blockchain interactions.

  ### Functionalities:

  * **Campaign Management:** Users can create crowdfunding campaigns and receive contributions in ETH and USDT.
  * **Fund Withdrawal:** Campaign creators can withdraw funds with a single click upon successful project completion.
  * **Refund Mechanism:** Contributors can claim a refund if a project fails to reach its funding target.

- **Ethereum-Based Election Voting DApp**

  A decentralized and transparent voting system enabling users to securely cast votes for their preferred candidates.

  ### Tools & technologies used:

  * **Smart Contracts:** Solidity for writing secure and tamper-proof voting logic.
  * **Frontend Integration:** React.js, Ethers.js and MetaMask for seamless blockchain interactions.

  ### Functionalities:

  * **Secure Voting:** Users can cast votes for their favorite candidates, ensuring transparency and immutability.
  * **One-Person-One-Vote:** Smart contract logic enforces that each user can vote only once.
  * **Real-Time Results:** Election results are updated in real-time and stored securely on the blockchain.
  * **Tamper-Proof System:** All votes are recorded on the Ethereum blockchain, preventing manipulation or fraud.

- **Blog Web Application**

  An innovative web application designed to provide a seamless blogging experience.

  ### Tools & technologies used:

  * **Frontend:** React.js, Redux Toolkit, React-Redux, React Router DOM, TinyMCE, React Hook Form.
  * **Backend:** Appwrite (for authentication and database services).
  * **Additional Tools:** Tailwind CSS for styling, Git for version control.

  ### Functionalities:

  * **User Management:** full-featured blog platform allowing users to register, log in, and manage their blog posts.
  * **Post Management:** Enabled users to create, edit, and delete blog posts using a rich text editor (TinyMCE).
  * **Additional Tools:** Tailwind CSS for styling, Git for version control.

Achievements

- **Achieved 90 Perecent in CBSE Class 12 Board Exam and secured 2nd rank at Kendriya Vidyalaya No. 4**
- **Got commendable 99.34 Percentile in CUET(UG) 2022**