

Aastha Srivastava

4th Year Undergraduate
Department of Mechanical Engineering
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Objective

Seeking an opportunity to leverage my potential and make a meaningful contribution to the organization's growth. Confident in my ability to adapt quickly, work collaboratively, and strategically navigate challenges.

Education

2021 - 2025	- B.Tech. (Mechanical Engineering)	- National Institute of Technology, Jaipur (CGPA: 7.94)
2020	- XII CBSE Boards	- Academic Global, Gorakhpur (88.6%)
2018	- X ICSE Boards	- Carmel School, Gorakhpur (93.67%)

Experience

1. **Blockchain-based Healthcare Waste Management DApp** (2024 Summer Internship)
 - Developed a decentralized application (DApp) for healthcare waste management using blockchain technology.
 - Utilized React for the frontend, Solidity for smart contracts, Ether.js for blockchain interactions, Node.js for backend development, and Hardhat for testing and deployment.
 - Implemented features for creating, updating, and tracking waste records with secure, immutable data storage on the Ethereum blockchain.
 - Conducted comprehensive research and authored a research paper detailing the system's design, implementation, and effectiveness.

Projects

1. **Blog website**
 - A blog website for daily journal or diary keeping made as a part of a web development course by Udemy.
 - Used Node.js as the backend and HTML/CSS/JavaScript for the frontend and utilized MongoDB as the database.
2. **Vibration Simulator(Course Project)**
 - Developed a simulation tool in Python to analyze mechanical vibrations and plot response.
 - Created a user-friendly web interface to visualize and control the simulation, providing real-time data and insights for users.
3. **Automatic Gas leakage detector(Course Project)**
 - Designed and implemented an automatic gas leakage detection system using Arduino Uno.
 - Coded the system to detect gas leaks and activate an exhaust system, ensuring immediate ventilation and safety.

Technical Skills

- Coding Languages: C++, Python, C, JavaScript, R, Solidity.
- Frontend Web Development: HTML5, CSS3 (including Flexbox and Grid), Bootstrap 5, JavaScript (ES6), jQuery, React.js (React Hooks).
- Backend Web Development: Node.js, Express.js, REST, APIs, SQL, PostgreSQL.
- Tools and Utilities: Web3 Development, Blockchain Technology.
- Tools and Utilities: Github, R Studio, Witness Horizon, SPSS, Visual Studio.

Extra-Curricular Activities

- Cleared round 2 of TVS Credit Epic 5.0 and shortlisted for case study round.
- Participated in events like Flipkart Grid 5.0 Health+track , J&J Crackathon and others.
- Secured 2nd position In InterNIT chess competition.