Aastha Srivastava

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Objective

An undergraduate student in NIT Jaipur .I am looking for an opportunity where I can make the best of my potential and contribute to the organization's growth.

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 CBSE Boards   - Carmel School, Gorakhpur (93.67%)

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. **Sorting Visualiser**
   – Created a sorting visualizer website using HTML, CSS and JavaScript. Used SVG(Scalable Vector Graphics) wave patterns to design the home page and the wiggly pattern to design sorting techniques pages.
   – Made a sidebar using CSS flex-box and transitions and animate properties.Made a pop up bar to show time and space complexities and code of the sorting algorithms in four programming languages c, c++, python and java.

3. **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.

4. **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 : Python, C, C++, JavaScript, R,Solidity.
–Web Development : Node.js, Express.js, MongoDB, SQL, HTML 5, CSS 3, JavaScript, Bootstrap 5, APIs , Web3 Development on Internet Computer, Blockchain Technology.
–Tools and Utilities : Git, R Studio, Witness Horizon, SPSS, Visual Studio, PyScripter.

Relevant Courses

– Mechanical Engg. : Operation Planning and Control , Operation Research , Product Design and Development , Total Quality Management , Optimization Methods in Engineering Designs , Modeling and Simulation.
– Data Structures and Algorithm , DBMS, Operating System, OPPs.
– Complete Web Development Bootcamp (Source- Udemy).

Extra-Carricular 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.