Ajay Soni

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EDUCATION

Malaviya National Institute of Technology Jaipur   Jaipur, Rajasthan
Bachelor of Technology, ECE   *Nov. 2022 – Present*

PROJECTS

EcoReport Platform | [GitHub](#) | [Visit](#)   Aug. 2024 – Nov. 2024
- Developed a web-based platform using HTML, Tailwind-CSS, and JavaScript to report and track environmental and developmental issues.

8086 Number Guessing Game (DOSBox)   Jan. 2024 – June. 2024
- Developed an interactive number guessing game using 8086 Assembly Language.
- Implemented random number generation logic and user attempts tracking.
- Utilized DOS interrupts (INT 21h) for user input and screen output.

CPU-Scheduling-Algorithms   Jan. 2024 - Mar. 2024
- Developed a simulation tool to demonstrate various CPU scheduling algorithms (e.g., FCFS, SJF, Priority Scheduling, and Round Robin).

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, HTML, CSS, Assembly (8085/8086/ARM)

Web Technologies: Tailwind CSS, Node.js, Express.js, MongoDB, MySQL

Operating Systems: Linux, Windows

Course Work: Data Structures and Algorithms, DBMS, Operating Systems, OOPS, Computer Architecture, Computer Networks and Security, Embedded Systems, ARM/Thumb

Microprocessors: 8085/8086, ARM

SOFT SKILLS

Problem Solving, Communication, Teamwork, Adaptability

ACHIEVEMENTS AND LEADERSHIP SKILLS

- **700+ Problems Solved** across top coding platforms (LeetCode, GFG, CodeChef, etc.).
- Ranked in the Top **1.4%** in JEE Mains, demonstrating strong problem-solving skills.
- **1600 Rating** on LeetCode and **1500 Rating** on CodeChef
- Secured **2nd Place** in the Malaviya Sports Tournament for **Powerlifting**, exhibiting determination and discipline.