MOHIT KUMAR AGARWAL

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SUMMARY

Passionate Frontend Developer skilled in building responsive, fast, and user-friendly web applications using **HTML, CSS, JavaScript, React, and Node.js**. Strong foundation in **DBMS, APIs, problem-solving, and modular UI development**. Experienced in deploying projects, handling performance optimisation, and working with modern development tools. Seeking opportunities to contribute to real-world web development projects.

SKILLS

Programming: Java, Python, JavaScript
Frontend: HTML5, CSS3, JavaScript(ES6+), React.js, Responsive UI, DOM Manipulation
Backend: Node.js, REST APIs
Other: Git & GitHub, Problem Solving, DBMS Fundamentals, Version Control

EDUCATION

- **B.TECH IN ELECTRICAL ENGINEERING (Electrical Engineering)** **2023-2027**
  INSTITUTE OF ENGINEERING AND MANAGEMENT, KOLKATA
  CGPA**:** 8.8 (PRESENT)
- **XII(CBSE)** **2022**
  DAV PUBLIC SCHOOL, BOKARO
  71.5%|
- **X(CBSE)** **2020**
  DAV PUBLIC SCHOOL, BOKARO
  88.4%

EXPERIENCE

- **Web Developer (Academic & Personal Projects)**
  - Built 5+ responsive web interfaces using HTML, CSS, JavaScript, and React.
  - Developed modular UI components and deployed projects using GitHub Pages.
  - Integrated REST APIs, implemented form validation, and improved page responsiveness.
  - Optimised website load performance by structuring reusable code and reducing DOM operations.
  - Used Git & GitHub for version control, branching, and collaborative development.

ACADEMIC PROJECTS

- **Smart Waste Segregation Dustbin (IoT+Automation)**
  - Designed an automated waste sorting system using sensors, servos, and conveyor mechanisms.
  - Created 3D CAD models, wiring diagrams, and system block architecture.
  - Integrated AI classification (concept+prototype stage) for improved sorting accuracy.

- **Solar-Powered EV Charging System**
  - Developed a solar-based smart charging solution for EVs with efficiency-focused power conversion.
  - Used MATLAB and Arduino for simulation, data testing, and control logic design.
  - Focused on optimising battery charging efficiency and energy output.

POSITION OF RESPONSIBILITY

Core Member, MUN Society (2023–Present):
Trained delegates, organised debates, and managed committee operations..

Core Member, Innovación Tech Fest (2023–2024):
Led logistics & managed technical showcases for 500+ participants.

Event Coordinator, Smart Makers Festival (2024–2025):
Coordinated hackathons & stage operations.