ALI HESHAM RAZA

I am a final-year B.Tech student at Aligarh Muslim University, specializing in Electrical Engineering. I have a solid background in Low Voltage Systems for Electric Vehicles and have received vocational training at NTPC Ltd. Recently, I have developed a strong passion for web technologies, including React and Node.js, and have enjoyed applying these skills in projects. Inspired by this, I am now seeking to transition into computer engineering to expand my knowledge and pursue new opportunities in technology.

EDUCATION

JUNE 2025   **ALIGARH MUSLIM UNIVERSITY**
B.Tech Program (Electrical Engineering)

EXPERIENCE & PROJECTS

2022   **Low Voltage Systems Engineer**
ZHCET Formula Racing Club

Worked on the wiring harness, Failure Mode Effect Analysis (FMEA) and shutdown circuit of a Formula Student EV, in the Formula Bharat Concept Challenge, FSEV.
Lead the Low Voltage Systems team.

2023   **Project Trainee**
National Thermal Power Corporation Ltd.

Worked on a 660 MW super critical unit to gain hands on experience in learning how thermal power plants work, understanding how power is being generated.

2024   **TODAY WE WILL LEARN**
GitHub Repository

Developed a site where users can share their thoughts or facts with others.
Users can interact with others in several ways such as upvoting or downvoting their shared facts.
Developed the front-end with HTML, CSS, and REACT JS.
Created Mobile Responsive user experience with CSS Grids that allowed the user to interact freely on any device

SKILLS

Languages: JavaScript, C/C++, Python, HTML/CSS

Tools: Git/GitHub, Unix Shell, Github-action, Matlab

Frameworks & Technologies: React.js, Node.js, MongoDB, Tailwind CSS, Bootstrap

IoT Technology: Arduino, Proteus

Soft Skills: Communication, Teamwork, Leadership, Problem-Solving

CERTIFICATIONS & COURSES

- MATLAB Onramp by MathWorks Training Services
- C++ Code Like you are in MATRIX: Mastering C++ (OCSALY ACADEMY)
- Essential Excel with Tips Trick Shortcuts and Job Success (Zechariah Tech)
- CSS, JavaScript And Python Complete Course
- Foundations Of Web Development: CSS, Bootstrap, JS, React

AREA OF EXPERTISE

- THERMAL POWER PLANTS
- ELECTRIC VEHICLES
- FRONT-END WEB DEVELOPMENT

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