Syed Moeez Ahmed

Kolkata, West Bengal

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ABOUT ME

Portfolio ↗

Full-stack developer with hands-on experience building web applications across frontend and backend systems using React, Node.js, Express, MongoDB, and JavaScript. Experienced in developing responsive user interfaces, REST API integrations, document-generation workflows, real-time previews, and deployable web applications. Strong problem-solving and collaboration skills with experience delivering projects in fast-paced technical environments.

EDUCATION

Institute of Engineering and Management, Kolkata **2023–2027**
B.Tech in Electrical Engineering | CGPA: 7.7 *Kolkata, West Bengal*

EXPERIENCE

Google Developer Groups (GDG) On Campus **Aug 2025 – Present**
Operations Lead *West Bengal, Kolkata*

- Co-led the planning and execution of technical workshops and developer events.
- Coordinated speakers, volunteers, and event logistics to ensure smooth execution.
- Supported developer community engagement, technical outreach, and event operations.

Diversion 2025 – MLH Hackathon **2025**
Event Operations and Technical Support Volunteer

- Assisted with participant coordination, technical setup, and on-site event operations.
- Supported organizers in maintaining event flow and resolving real-time technical and operational issues.

INDIAN OIL CORPORATION LIMITED (LTD) **Dec 2025 – Jan 2026**
Electrical Engineering Intern *Guwahati, Assam*

- Gained hands-on exposure to industrial electrical systems, including transformers, switchgear, protection systems, and power distribution.
- Observed preventive maintenance, testing, and electrical safety practices in a PSU refinery environment.
- Studied fault detection, system coordination, and industrial safety protocols.

PROJECTS

Contractly – Invoicing Platform ↗ 2026
TechStack: React, Vite, Node.js, Express, MongoDB, Mongoose, jsPDF

- Developed reusable React components for dynamic invoice forms and real-time document preview.
- Integrated jsPDF to generate downloadable PDF invoices directly from the application.
- Implemented a responsive, mobile-friendly user interface using reusable React components.

Blockbuster 3D VR Store ↗ 2026
TechStack: A-Frame, Three.js, JavaScript, HTML/CSS, WebXR

- Developed an interactive 3D VR web application using A-Frame, Three.js, JavaScript, HTML, and CSS with keyboard navigation and mouse-look controls.
- Implemented WebXR support for cross-device VR, including mobile navigation and on-screen joystick controls.
- Implemented interactive movie shelves with clickable DVD covers, draggable 3D models, and external links to IMDb and trailer pages.
- Deployed the application on Vercel with optimized loading for 3D assets and visual resources.

IoT-Based Electricity Theft Detection System 2026

- Developed an IoT-based solution for real-time detection of illegal power tapping and unauthorized electrical connections.
- Implemented wireless communication to transmit alerts and electricity-usage data to a centralized monitoring interface.
- Implemented automated alerts for faster identification and continuous monitoring of suspected electricity theft.

TECHNICAL SKILLS

Languages: C++, Java, JavaScript, SQL
Core CS: Data Structures and Algorithms, DBMS
Frameworks/Technologies: React, Node.js, Express, Vite, Tailwind CSS, MongoDB, REST APIs
Libraries/Tools: Mongoose, jsPDF, Git, GitHub, VS Code, IntelliJ

ACHIEVEMENTS

- Research Paper (In Progress): "Predictive Maintenance of Electrical Machines Using Machine Learning (ML) and Deep Learning (DL)."

EXTRACURRICULAR

- Conducted peer-learning sessions on C++ fundamentals.