# NUPOOR VERMA

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Github | portfolio

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## EDUCATION

- **Bachelor of Engineering – Electronics and Communication Engineering**   **Aug 2019 – Oct 2023**
  CMR Institute of Technology, Bengaluru

## SKILLS SUMMARY

- **Programming Languages:** JavaScript (ES6+)
- **Frontend:** React.js, Next.js, Custom Hooks, Tailwind CSS, Context API, React Router, Material UI,  Semantic HTML5 , CSS3, Responsive & Mobile-First Design
- **State Management:** Redux.js, Redux Toolkit, React Query, Context API ,Recoil
- **Performance Optimization:** Memoization, Code Splitting, Lazy Loading, Dynamic Imports, Rendering Optimization,
- **Backend:** Node.js, Express.js, REST APIs, Authentication (JWT/OAuth), MongoDB, Prisma/MySQL, Error Handling
- **DevOps & Tools:** Postman, Git, GitHub, Docker, Render, AWS, Cypress, Github actions

## WORK EXPERIENCE

- **IoT Intern | Emerxte Pvt. Ltd.**   **Nov 2022 – March 2023**
  - ✓ Designed and developed a web interface for IoT-based home automation using HTML, CSS, and JavaScript.
  - ✓ Built interactive dashboards to monitor and display real-time sensor data.
  - ✓ Collaborated with the hardware team to improve frontend–device communication, reducing prototype testing time by 15%.

- **ISRO – Web Visualization Intern (Geospatial Data UI)**   **Jan 2022 – March 2022**
  - ✓ Built interactive dashboards to visualize geospatial raster and satellite data using Python plotting libraries.
  - ✓ Assisted in UI design to present spatial data clearly to research teams.
  - ✓ Enhanced data visualization accuracy to **98%** through structured rendering.

## PERSONAL PROJECTS

- **Stock Market Application | LINK**   **Mar 2024 – Sep 2025**
  **Tools Used:** Next.js, TypeScript, Yahoo Finance API, CSS Modules
  - ✓ Developed a real-time stock dashboard using Next.js SSR for optimized rendering and SEO performance.
  - ✓ Integrated Yahoo Finance API to fetch and display metrics like CMP, P/E ratio, and earnings.
  - ✓ Managed client–server data flow, error handling, and dynamic updates; delivered a fast, SEO-optimized, modular interface.

- **Spotify Clone | LINK**   **Oct 2023 – Feb 2024**
  **Tools Used:** React, Node.js, Express.js, MongoDB, Mongoose, Cloudinary, REST APIs, Render
  - ✓ Built a responsive, component-based UI for music browsing and playlists using React.
  - ✓ Implemented controlled and uncontrolled forms for playlist creation UI.
  - ✓ Added memoization and code splitting to minimize re-renders and optimize load time.
  - ✓ Followed Git workflow with feature branches and pull requests.

- **Blog-it-out | LINK**   **Jun 2023 – Sep 2023**
  **Tools Used:** Node.js, Express.js, MongoDB, React, Tailwind CSS, JWT, OAuth, CORS, AWS, Cypress, Render
  - ✓ Developed the blog UI with React, Tailwind, and reusable components.
  - ✓ Created reusable React components with SOLID principles and custom hooks for business logic.
  - ✓ Implemented lazy loading, caching, and optimized rendering to improve UI responsiveness.
  - ✓ implemented MySQL (Prisma ORM) for Login Activity Logs and MongoDB for main content storage.

## CERTIFICATIONS

- Geoprocessing with Python – ISRO   **Jan 2022 – March 2022**