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+) | TypeScript
- **Frontend:** React.js, Next.js (SSR), TypeScript, React Query, Context API, Tailwind CSS, Lazy Loading, Memoization, Code Splitting, Optimized Rendering, Browser Caching, Asset Versioning
- **Backend:** Node.js, Express.js, Mongoose, Prisma ORM,JWT, OAuth,REST APIs,MVC Architecture
- **Database:** PostgreSQL, MySQL, SQL Joins, SQL CRUD, Relational Schema Design, MongoDB
- **DevOps & Tools:** Git, GitHub, Postman, Prisma Studio, AWS, Render, CI/CD Basics
- **Testing & Others:** Cloudinary,API Security(Helmet,Rate Limiting),Postman runner,React testing Libraries
- **Security:**Helmet,Rate Limiting,CORS,Logging middleware(morgan)

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 spatial data modeling accuracy to 98% through optimized visualization and structured data.

PERSONAL PROJECTS

- **Stock Market Application | LINK**   **Mar 2024 – Sep 2025**
  Tools Used: Next.js, TypeScript, Yahoo Finance API, CSS Modules
  - ✓ Integrated live financial data using Yahoo Finance API and Next.js SSR for SEO-optimized rendering.
  - ✓ Implemented API caching and structured error handling for resilient client-side data flow.
  - ✓ Applied SOLID principles, lazy loading, and optimized rendering to improve UI performance.

- **Spotify Clone | LINK**   **Oct 2023 – Feb 2024**
  Tools Used: React, Node.js, Express.js, MongoDB, Mongoose, Cloudinary, REST APIs, Render
  - ✓ Developed scalable CRUD APIs for playlists, tracks, and media uploads using Node.js and Express.
  - ✓ Designed efficient Mongoose schemas and implemented secure authentication workflows.
  - ✓ Build CRUD APIs for playlists,tracks and media uploads using Node.js and express.js.
  - ✓ Used memoization, batching, and rendering optimizations to enhance frontend performance.

- **Blog-it-out | LINK**   **Jun 2023 – Sep 2023**
  Tools Used: Node.js, Express.js, MongoDB, React, Tailwind CSS, JWT, OAuth, CORS, AWS, Cypress, Render
  - ✓ Used React Query for optimized frontend caching, data fetching, retries, and UI responsiveness..
  - ✓ Implemented secure authentication using JWT,OAuth,Helmet and rate limiting.
  - ✓ Integrated MySQL + Prisma ORM to create a Login Activity logging system tracking user login success/failure, IP, and timestamps
  - ✓ Built API endpoints to retrieve SQL-based logs using relational Prisma queries, demonstrating hybrid MongoDB + SQL backend architecture.

CERTIFICATIONS

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