

Aman Kumar Sharma

Full Stack WEB Developer | MERN Stack Developer | Software Engineer

+91 – 8918887575

[LinkedIn](#)
[Portfolio](#)

amankumarsharma01234@gmail.com

[GitHub](#)
Kolkata

Summary

Results-driven **Full Stack Web Developer** with hands-on experience designing and building **scalable, enterprise-grade** web applications using the **MERN stack**. Proficient in developing secure **RESTful APIs**, implementing **JWT-based authentication**, and managing databases using **MongoDB**. Skilled in **React.js**, **Node.js**, **Express.js**, and **DevOps tools** like **Docker**, **Git**, and **CI/CD pipelines**. Experienced in following **clean code practices**, **modular architecture (MVC)**, and **Agile methodologies**. Eager to contribute to innovative **software development teams** solving real-world challenges through robust **backend systems** and dynamic **user interfaces**.

Professional Experience

Full Stack Web Developer Intern | Intellipaat Software Solutions Pvt. Ltd. | Aug 2024 – Apr 2025 (9 Months) | Bengaluru, Karnataka, India (Remote)

- Collaborated on building a full-featured **e-commerce web app** using the **MERN stack**.
- Implemented **JWT-based authentication** with role-based access control.
- Developed core features: **user login, product catalog, cart, order placement, and admin dashboard**.
- Built **responsive, dynamic UI** using **React**; managed state using **Redux**.
- Handled backend **CRUD operations** using **Express.js** and **MongoDB**.
- Designed and integrated **RESTful APIs** for secure data exchange between frontend and backend.
- Worked in an **Agile development environment**, participating in daily stand-ups and sprint planning to ensure timely delivery of features.
- **Achievement:** Received appreciation from the project mentor for delivering a high-performance admin dashboard with **30% faster data load times** through **optimized state management** and **lazy loading techniques**.
- Gained experience working on **scalable, maintainable software systems aligned with enterprise architecture and coding standards**.

PROJECTS

NoteNest – MERN Stack Notes Management App (GitHub Repository – [Frontend](#) | GitHub Repository - [Backend](#)) (Live Demo – [NoteNest](#))

- Tech Stack:** MongoDB, Express.js, React.js, Node.js, JWT, REST API, Context API, Bootstrap
- Built a **secure full-stack note-taking app** using the **MERN stack** with full **CRUD functionality** for authenticated users.
 - Implemented **JWT-based authentication** and **bcrypt password hashing** for secure login and access control.
 - Developed a **responsive React frontend** with **Context API** and **React Router** for state management and routing.
 - Created **RESTful APIs** using **Node.js/Express** with **protected routes** and **authorization middleware**.
 - Used **MongoDB Atlas** with **Mongoose** for efficient cloud data storage and schema modeling.
 - **Deployed frontend on Netlify** and **backend on Render**, enabling full cloud-hosted functionality.

E-commerce REST API Backend ([GitHub Repository](#))

- Tech Stack:** Node.js, Express.js, MongoDB, JWT, bcrypt, REST API
- Developed a **scalable and secure RESTful API** for an e-commerce platform using **Node.js** and **Express.js**.
 - Implemented **JWT-based user authentication** and **role-based access control** for secure admin/user operations.
 - Designed and managed **MongoDB schemas** for users, products, cart, and orders using **Mongoose**.
 - Built complete **CRUD functionality for product management** accessible only by admin users.
 - Integrated a **shopping cart system** allowing users to add, update, and remove products.
 - Created **order processing logic** with user-specific order history and admin-level order management.
 - Followed **MVC architecture**, middleware abstraction, and modular routing for clean, maintainable code.
 - Tested endpoints using **Postman**; documented the collection for **API testing** and debugging.

Micro Frontend Music Library App (GitHub Repository- [Main App](#) | [GitHub Repository- Music Library](#)) (Live Demo - [Main App](#) | [Music Library](#))

- Tech Stack:** React.js, JavaScript, Webpack Module Federation, Tailwind CSS, JWT, GitHub Pages, Netlify
- Built a modular music library platform using **Micro Frontend Architecture**, separating concerns between a main host and a dynamically loaded Music Library micro frontend.
 - Utilized **Webpack Module Federation** for runtime integration and independent deployment of micro frontends.
 - Implemented **JWT-based mock authentication**, defining admin (add/delete) and user (view/filter) roles, and conditionally rendered UI controls based on access level.
 - Enabled interactive features like **filtering, sorting, and grouping** of songs by Title, Artist, and Album using core **JavaScript methods** (map, filter, reduce).
 - Used **React functional components, Hooks**, and **Context API** for clean, maintainable state management without Redux.
 - Styled the UI using **Tailwind CSS** and deployed both applications to **Netlify**, ensuring seamless remote loading and production integration.

KEY SKILLS AND TOOLS

- Programming Languages:** JavaScript (ES6+), TypeScript, Python, Java
- Frontend:** HTML, CSS, React JS, Redux, Context API, Tailwind CSS, Bootstrap
- Backend:** Node.js, Express.js
- Databases:** MongoDB, MySQL
- DevOps & Tools:** Git, GitHub, Docker, Postman, CI/CD pipelines
- Skills:** Web Development, Front-End Design, Backend, API Integration, Webpack, Debugging and Testing, RESTful APIs, Version Control System, Agile Development, Performance Optimization, Testing (Jest – basics), Problem-Solving, Collaboration

EDUCATION

- | | |
|---|---|
| • Degree: Masters OF Computer Applications
College: Techno Main Salt Lake, Kolkata
Passing Year: 2024
CGPA: 7.37 | • Degree: Bachelors OF Computer Applications
College: Narula Institute OF Technology
Passing Year: 2022
CGPA: 8.97 |
|---|---|

CERTIFICATIONS

- | | |
|--|--|
| • Full Stack Web Development – Intellipaat (Certificate) | • React JS Training Course – Intellipaat (Certificate) |
| • Node JS Training Course – Intellipaat (Certificate) | • MongoDB Training Course – Intellipaat (Certificate) |
| • SQL Course– Intellipaat (Certificate) | • DevOps Course– Intellipaat (Certificate) |