

Vijay Raj

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Education

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|---|------------------------------|
| Dr. APJ Abdul Kalam Technical University (<i>B.tech(Information Technology)</i>) | <i>April 2021 – Jan 2025</i> |
| Om Kamal Public School Inter College Lalpur Bazar Sitapur (<i>Intermediate</i>) | <i>April 2019 – Jan 2021</i> |
| Om Kamal Public School Inter College Lalpur Bazar Sitapur (<i>Matriculation</i>) | <i>April 2017 – Jan 2019</i> |

Skills

Languages: JavaScript, C, HTML5, CSS3, SQL, Node.js
Framework: Next.js, Bootstrap, Express.js
Libraries: React.js, Redux.js ,mongoose,react-router
Tools: MongoDB, Git,Github
Soft Skills: Leadership, Communication, Agile Development

Projects

- Infiniox Web App (Freelance)** [Live Link ↗](#)
- Designed and developed a scalable web application for Infiniox as a freelance project to manage and sell products including smart benches, toys, and furniture.
 - Built the application using Next.js to ensure fast page rendering, SEO-friendly structure, and optimized performance for large product catalogs.
 - Integrated REST APIs for dynamic product, and sales data while maintaining a smooth and responsive user experience.
 - Implemented Redux Toolkit and session storage to manage global state, preserve user sessions, and ensure consistency across sales and management workflows.
 - Created clean and intuitive user interfaces using Bootstrap to support efficient navigation and daily sales operations.
 - **Tech:** Next.js, React JS, Redux Toolkit, Session Storage, Bootstrap.
- E-commerce Dashboard (Papaya Coders Private Limited)**
- Worked on the development of an enterprise-level e-commerce dashboard at Papaya Coders Private Limited to manage products, orders, users, and sales operations.
 - Developed responsive and interactive user interfaces using React.js to enable efficient product management, order tracking, and administrative workflows.
 - Implemented backend services and RESTful APIs using Node.js to handle business logic, data processing, and secure communication with the frontend.
 - Integrated frontend and backend systems to ensure real-time data synchronization and smooth dashboard performance.
 - Collaborated with cross-functional teams to enhance features, fix production issues, and improve overall application stability.
 - **Tech:** React JS, Node.js, REST APIs, JavaScript, Bootstrap.

- POS Web App (Point of Sale)** [Live Link ↗](#)
- Engineered a high-performance POS system for scalable business management, integrating modules for real-time inventory tracking, automated GST-compliant billing, and detailed sales analytics to optimize retail operations.

- Optimized API Integration to handle large product catalogs while ensuring seamless UI performance. Implemented Redux for state consistency across diverse terminal views and automated daily reporting.
- Tech:** React JS, session storage, Redux Toolkit, Bootstrap.

RAV Download Ecommerce WebApp

[Live Link ↗](#)

- Developed an RAV Download Ecommerce application featuring secure registration via email/phone OTP and a robust login system. Designed a user-friendly interface comparable to platforms like Amazon and Flipkart.
- Integrated advanced ecommerce features including wishlist management, high-speed product searching, and an interactive UI that enhances user retention and provides a seamless shopping experience for organic products.
- Tech:** React JS, JavaScript, Redux, CSS3, HTML5.

Organic Ecommerce Web App

[Live Link ↗](#)

- Developed an Organic Ecommerce application featuring secure registration via email/phone OTP and a robust login system. Designed a user-friendly interface comparable to platforms like Amazon and Flipkart.
- Integrated advanced ecommerce features including wishlist management, high-speed product searching, and an interactive UI that enhances user retention and provides a seamless shopping experience for organic products.
- Tech:** React JS, JavaScript, CSS3, HTML5, Bootstrap.

Property Dealing Web App

[Live Link ↗](#)

- Developed a Property Dealing webapp named PropertyATM. Included essential features like secure account registration with email and phone validation, implementing a robust login system for secure browsing.
- Enhanced account security with secure password management. Users can view properties in Lucknow for rent or purchase and contact dealers directly, featuring a range of Lucknow-specific real estate filters.
- Tech:** React JS, JavaScript, Redux, CSS3, HTML5, with LocalStorage.

Associate Panel Web App

[Live Link ↗](#)

- Engineered a comprehensive Associate panel web application (cp.tantrash.com) to streamline internal workflows, data visualization, and associate activity tracking for enhanced organizational transparency.
- Optimized the frontend architecture to ensure rapid data loading and a seamless user interface, demonstrating a strong commitment to delivering high-quality, professional software solutions.
- Tech:** React JS, JavaScript, Redux, CSS3, HTML5, Bootstrap, with LocalStorage.

Customer Panel Web App

[Live Link ↗](#)

- Developed a feature-rich customer panel designed for RAV Organics, focusing on high-level security protocols and real-time data synchronization to provide users with an accurate view of their profile.
- Implemented efficient state management to handle complex user data points, ensuring that account settings and transaction summaries are accessible and editable in a secure environment.
- Tech:** React JS, JavaScript, Redux, CSS3, HTML5, Bootstrap, with LocalStorage.

ATM Machine Web App

[GitHub ↗](#)

- Built a secure ATM simulation platform focusing on algorithmic PIN management, transaction logging, and real-time currency conversion tools to demonstrate mastery over logic-heavy frontend applications.
- Implemented rigorous error handling for withdrawal limits and account recovery features, utilizing LocalStorage for persistent session data and ensuring a secure, bank-like user experience.
- Tech:** React JS, JavaScript, Redux, CSS3, HTML5, Bootstrap, with LocalStorage.

Credentials Manager System

[GitHub ↗](#)

- Developed a secure vault for managing social media credentials, utilizing encryption logic to store sensitive information in a non-readable format within a cloud-based realtime database.
- Created a feature-rich interface allowing users to categorize and search for accounts securely, showcasing expertise in data privacy protocols and real-time cloud integration with Firebase.
- Tech:** React JS, JavaScript, Redux, CSS3, HTML5, Bootstrap, and Firebase Realtime Database.

Ecommerce Web App (Nest)

[GitHub ↗](#)

- Built a specialized ecommerce application featuring account validation, cart/wishlist management, and a product tracking system to provide users with real-time updates on their shipping status.
- Optimized the checkout flow to ensure a frictionless purchasing experience
- **Tech:** React JS, JavaScript, CSS3, HTML5, Bootstrap, and MongoDB.

Student Grievance System

[GitHub](#) ↗

- Developed a complaints management system where students can register securely, submit grievances with attachments, and track the real-time status of their queries through an admin dashboard.
- Implemented role-based access control to ensure that grievances are handled by authorized personnel, improving institutional transparency and communication efficiency within the student community.
- **Tech:** React JS, JavaScript, CSS3, HTML5, Bootstrap, and MongoDB.

Flipkart Clone

[GitHub](#) ↗

- Engineered a pixel-perfect clone of the Flipkart.
- Implemented responsive design principles to ensure a seamless shopping experience across mobile and desktop devices, utilizing MongoDB to store a vast catalog of simulated product data.
- **Tech:** React JS, JavaScript, CSS3, HTML5, Bootstrap, and MongoDB.

Experience

MERN Stack Web Developer

Feb 2025 – Present

Tantrash Technology Private Limited (TTPL)

- Leading frontend development for enterprise-grade applications such as PropertyATM and Kezan Pustkalaya, focusing on modular React components, performance optimization, and scalable UI architecture.
- Worked on backend development using Node.js for Kezan Pustkalaya, contributing to API development, business logic implementation, and frontend-backend integration.
- Actively supported backend tasks when required, including designing APIs, handling application logic in Node.js, and contributing to .NET backend modules for logic implementation and API creation.
- Collaborated with cross-functional teams to deliver production-ready MERN stack solutions for admin panels and ecommerce platforms, following clean code and best practices.

MERN Stack Web Developer

Dec 2024 – Feb 2025

Papaya Coders Private Limited, Lucknow

- Primarily worked on backend development using Node.js, building and integrating RESTful APIs for e-commerce dashboards and client-facing applications.
- Implemented core business logic, data handling, and API optimizations to support scalable application workflows.
- Assisted frontend teams by integrating APIs with React-based dashboards and resolving data flow and performance issues.

MERN Stack Web Developer Intern

July 2024 – Aug 2024

ZN Infotech, Lucknow

- Developed a full-stack Flipkart clone using the MERN stack, working on both frontend UI development and backend API integration.
- Gained hands-on experience in database modeling, authentication flows, and building responsive user interfaces using Bootstrap.

MERN Stack Web Developer Intern

Sep 2023 – Jan 2024

Softflew Smart Solutions and Training Institute

- Worked as a full-stack intern to develop an ATM Machine simulation, implementing secure transaction logic on the backend and state-driven UI components using React.js on the frontend.

Certificates

Graduate Aptitude Test in Engineering (GATE) Score: 15/100

JavaScript, CSS, HTML, C Language: Certified by Infosys Springboard

IoT (Sensor, Transducer, Chip Programming with C): CDAC Bangalore