

Piyush Kumar

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Professional Summary

Results-driven MERN Full-Stack Developer with 1+ years of experience, specializing in scalable, real-time applications and performance optimization, with React, Node.js, Express, and MongoDB. Skilled in optimizing REST APIs, implementing secure authentication (JWT/RBAC), and designing high-performance Mongoose schemas with indexed, efficient queries. Strong in component-driven UI development, modern design systems, and delivering reliable CRUD workflows with real-time updates. Adept at debugging, performance tuning, and collaborating in Agile teams to ship clean, maintainable, production-ready features.

Technical Skills

Languages: C, C++, JavaScript (ES6+), TypeScript

Frontend Technologies & Architecture: React.js, Redux Toolkit, ShadCN/UI, Tailwind CSS, SCSS, Vite, dnd-kit, Responsive UI, Component Architecture

Backend & Database Engineering: Node.js, Express.js, Authentication & RBAC, Database Indexing, REST API Design, MongoDB, CRUD Architecture, Routing, Middleware, Mongoose, Aggregation Pipelines

Tools & Development Practices: Git, GitHub, Postman (API testing & documentation), Docker, VS Code, Vercel, Render, ClickUp, npm/yarn, Figma, Profiling & Performance Optimization, CI/CD Basics, Environment Variables & Secrets Management

Experience

Junior Engineer - Intern

Novas Arc Consulting Pvt. Ltd.

Aug 2025 – Present

Hyderabad, Telangana

- Led critical infrastructure migration from CRA to Vite, resulting in a 5x improvement in initial load speed and significant reduction in build times, boosting developer efficiency.
- Engineered core modules using MERN, Redux, dnd-kit, and ShadCN/UI, improving UI responsiveness by 30–40%.
- Created complex, real-time drag-and-drop workflows (using dnd-kit) to streamline user task management, boosting task handling speed by 40%.
- Architected and improved REST APIs and Mongoose schemas, improving backend performance by 2× through query restructuring and indexing.
- Executed RESTful routing, JWT-based authentication, and error-handling middleware, reducing backend request failures by 20%.
- Led development of end-to-end modules, enhancing delivery efficiency by 25% across API–UI integration.

Projects

Thinkloft (AI Chat Interface)

[Live Link](#)

React.js, Tailwind CSS, Context API, REST APIs, Component Architecture, Performance Optimization

- Designed a scalable, Gemini-style AI chat interface, leveraging streamlined stateful React patterns (e.g., custom hooks) to manage complex real-time conversational flow.
- Executed accessibility and layout enhancements, reducing friction in user journeys and improving task completion speed by 30%.
- Set up simulated APIs and deployed on Netlify with a custom domain and HTTPS.

Estate (Real Estate Listings Platform)

[Live Link](#)

React.js, Tailwind CSS, Web3Forms API, Framer Motion, Responsive UI

- Developed a responsive real estate platform using React and Tailwind, improving UI accessibility and browsing experience.
- Integrated Web3Forms for contact forms, achieving 100% delivery reliability and a 40% boost in inquiry handling.
- Integrated Framer Motion animations, increasing session time by 40% and lowering bounce rate by 25%.

Breeze Travel

[Live Link](#)

React.js, Node.js, Express.js, MongoDB, JWT, CryptoJS, Redux, REST APIs, Caching, API Optimization

- Architected a secure authentication system using JWT, Express.js middleware, and CryptoJS encryption, reducing login issues by 95%.
- Achieved a 90% reduction in API response latency by implementing route-level caching strategies and optimizing complex MongoDB Aggregation Pipelines and indexing.
- Applied industry-standard encryption techniques to enhance data security, preventing unauthorized access and ensuring the confidentiality of sensitive user information.

Education

Dr. A.P.J Abdul Kalam Technical University

Sep 2021 - May 2025

Bachelor of Technology in Computer Science

CGPA: 7.4