

ABHINAV SINGH

📞 +91 6388338265 📩 abhinavsingh2000002@gmail.com 💻 <https://www.linkedin.com/in/abhinav-singh-94a13817b/>

Technical Skills

Languages: JavaScript, TypeScript, Node.js, PHP, C, C++, SQL

Frameworks & Libraries: React.js, Next.js, Express.js, Redux, Laravel, CodeIgniter

DataBases: MongoDB, PostgreSQL, MySQL

Front -End Skill: HTML5, CSS3, Bootstrap, Tailwind CSS

DevOps & Tools: Docker, Git, GitHub Actions, Postman, TablePlus

Operating Systems: Linux, Microsoft Windows, macOS

Other Skills: RESTful APIs, GraphQL, CI/CD, Agile methodology

Experience/Projects

Inventics Software Pvt Ltd

August 2024 – Present

Software Developer Engineer(SDE)

Lucknow, India

Key Responsibilities and Contributions:

- **Full-Stack Development (MERN Focus):** Designed and developed scalable web applications using **React.js, Next.js, Node.js, and Express.js** with **MongoDB/MySQL** as databases. Built **RESTful APIs** and **GraphQL endpoints** to ensure seamless data exchange between client and server.
- **Frontend Engineering:** Built responsive, interactive, and optimized UIs using **React.js, Next.js, Redux, Tailwind CSS, and Bootstrap**. Implemented reusable components and optimized rendering for better performance across browsers and devices.
- **Backend Engineering:** Developed secure server-side logic using **Node.js/Express.js**, integrated third-party APIs (Razorpay, AWS SES, SMS Gateways), and implemented authentication/authorization with JWT & OAuth.
- **Database Management:** Designed schemas, optimized queries, and managed large-scale data using **MongoDB** and **MySQL**. Ensured data integrity and implemented backup/restore strategies.
- **Deployment & Cloud Management:** Deployed and managed applications on **AWS (EC2, S3, RDS)** and **DigitalOcean**. Configured CI/CD pipelines (**GitHub Actions**), SSL certificates, and server monitoring for high availability.
- **Agile Collaboration:** Worked in Agile/Scrum teams, participated in sprint planning, code reviews, debugging, and performance tuning to deliver high-quality solutions within deadlines.

Projects Worked On:

• Aptia Time Tracker – Employee Time & Cost Management System (UK Client Project)

An international workforce productivity and cost-tracking system developed for a UK-based enterprise. Employees fill in their weekly timesheets against specific projects and tasks, which are used to automatically calculate their monthly payments in USD based on individual hourly rates. The platform empowers administrators with detailed visibility into project-wise expenditures and resource allocation. A key feature includes the **Delegation/Proxy Access Module**, allowing users to assign temporary access rights to others—ensuring uninterrupted workflow while maintaining full control and audit trails.

• Rashi Granite – Inventory & Sales Intelligence System

An enterprise inventory and sales management solution for a granite wholesaler. Built with Laravel and React.js, it offers live stock tracking, automated reorder alerts, invoicing, and sales analytics dashboards. The system supports exporting financial data for teams, helping reduce inventory waste and improve revenue insights.

• Acharya Application – Teacher Workflow Automation

An academic platform built with Laravel and React.js to streamline teacher operations. It includes real-time attendance tracking, substitution alerts, and academic performance dashboards. School administrators can export performance data in PDF/CSV formats. The system has reduced manual admin tasks by 60% through automation.

• Karyakarta Application – Volunteer Network Organizer

A scalable organizational platform developed using CodeIgniter and MySQL for managing thousands of volunteers across hierarchies. Features include real-time task flow, role-based access, team coordination tools, and exportable activity logs. It has significantly improved ground-level execution and communication across multiple regions.

• OPD Doctor-Patient Application – Healthcare Appointment & Record System

Developed a web-based outpatient department (OPD) system to manage patient appointments, doctor scheduling, and real-time communication. Built using Laravel, React.js, and MySQL, the platform supports secure digital medical records, live consultation tracking, and follow-up reminders via SMS/email. Admins and doctors can download patient data and medical reports in PDF/CSV formats. The application improved hospital workflow efficiency and reduced appointment overlaps.

• AS Multi-Projects – Agile Project & Task Manager

A modular project and task management solution developed using Laravel, Vue.js, React.js, and MySQL. It features Kanban-style task views, deadline alerts, collaborative workspaces, and real-time status updates. Teams can export reports in CSV/PDF formats. The system is scalable and supports multi-client workflows with ease.

Technologies Used:

- Frontend:** React.js, Next.js, Redux, Tailwind CSS, Bootstrap, HTML, CSS, JavaScript
- Backend:** Node.js, Express.js, PHP (Laravel, CodeIgniter)
- Databases:** MongoDB, MySQL, PostgreSQL
- Cloud & Tools:** AWS, DigitalOcean, Docker, Git, GitHub Actions, Postman, TablePlus
- Other:** RESTful APIs, GraphQL, CI/CD, Agile/Scrum

Inventics Software Pvt Ltd

February 2024 – July 2024

Lucknow, India

Software Developer Engineer Intern(SDE)

During my internship, I gained extensive hands-on experience in **full-stack web development**, working on real-world, production-level applications. I was primarily responsible for designing frontend layouts, developing backend logic, and working with databases and APIs. I became proficient in using tools such as **Postman for API testing**, **Git for version control**, and **MySQL** for data management.

- ❖ One of the key projects I contributed to was **Gunaytan**, an event scheduling system for managing cultural and religious programs. I helped design a calendar-based booking system and implemented **real-time notifications**, volunteer task allocation, and dynamic event tracking modules. I also worked on generating event reports in PDF and CSV formats, helping improve user experience and reporting accuracy.
- ❖ The major highlight of my internship was working on a **SaaS-based Centralized Field Sales Application**, where I contributed to building a robust solution for sales representatives. This application allowed sales executives to:
 - Visit shops and record attendance.
 - Place orders directly from the field via mobile or web.
 - Auto-generate sales entries in real time.
 - Enable company admins to view, track, and analyze sales performance centrally.

I was involved in both frontend and backend development, including **RESTful API integration**, authentication, and database optimization. Through this project, I gained a deep understanding of **scalable SaaS architecture**, **modular code development**, and **real-time business data synchronization**.

Personal Projects/Awards & Achievements

MilkChain Hub – Wholesale Dairy Distribution Platform

- **Tech Stack:** React.js, Node.js, Express.js, MySQL, Razorpay API, Firebase
- Built an enterprise-grade SaaS platform for wholesale dairy suppliers to streamline FMCG logistics.
- Retailers: Place bulk product orders, track shipments, and make EMI-based digital payments via Razorpay gateway.
- Admins: Manage inventory, assign delivery drivers, and monitor real-time logistics using Firebase push notifications.
- Implemented auto-generated PDF/CSV reports for sales, payments, and daily activity logs.
- Enhanced distribution efficiency by reducing manual coordination and enabling real-time supply chain visibility.

MediQueue – Hospital OPD & Patient Flow Manager

- **Tech Stack:** React.js, Node.js, Express.js, MySQL
- Developed a digital healthcare platform to optimize outpatient workflows in hospitals.
- Patients: Book doctor appointments, access digital prescriptions, and view consultation history.
- Doctors: Manage patient queues in real-time, access medical records, and generate consultation reports.
- Admins: Manage doctor rosters, monitor departmental performance, and extract operational analytics.
- Improved patient experience by reducing wait times, digitizing records, and enabling secure data access.

EduTrack Pro – Employee & Academic Management System

- Tech Stack: React.js, Node.js, Express.js, MySQL
- Designed a multi-role education management system for schools, colleges, and institutions.
- Admins: Manage student profiles, faculty data, schedules, grading modules, and attendance tracking.
- Teachers: Update classroom performance data, assign coursework, and monitor student progress.
- Students: View attendance, marks, coursework, and personalized academic updates.
- Integrated RESTful APIs, role-based access control (RBAC), and mobile-responsive UI for seamless usability.
- Enhanced institutional efficiency by digitizing academic operations and reducing manual effort.

Education

Rameshwar Institute of Technology | Dr APJ Abdul Kalam Technical University

July 2024 – Present

Master of Technology in Computer Science Engineering

Lucknow, Uttar Pradesh

Kanpur Institute of Technology | Dr APJ Abdul Kalam Technical University

July 2020 – July 2024

Bachelor of Technology in Computer Science Engineering

Kanpur, Uttar Pradesh