Abhirup Roy | Full Stack Developer (MERN)

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SUMMARY

Full Stack MERN Developer with hands-on experience developing 3 production-grade applications involving role-based access, real-time task workflows, global state management, and optimized API integrations. Strong focus on clean architecture, reusable components, and performance improvements. Quick learner who thrives in startup environments and aims to transition into corporate engineering roles with solid industry experience.

TECHNICAL SKILLS

Front-End: React.js, Redux, JavaScript (ES6+), Axios, Tailwind CSS, HTML5, CSS3

Back-End: Node.js, Express.js, RESTful APIs, MongoDB, JWT Authentication

Tools: Git, GitHub, VS Code, Postman, Chrome DevTools, Windows, Linux

Engineering Concepts: SDLC, Agile, DSA, OOP, API Design, Performance Optimization

PROJECTS

WorkBoard (EMS) — React, Express, Tailwind CSS, JWT, React Router, Context API, MongoDB

Website | GitHub   Oct 2025

- Built a full-stack employee management system with 25+ reusable React components, 3 global contexts (user/task/filter), and 8+ secure Axios integrations enabling real-time task updates across admin and employee dashboards.
- Developed 10+ REST APIs using Express and MongoDB with 3 data models, JWT-based role separation (admin vs employee), deadline validation, bcrypt auth, and aggregation pipelines for task analytics.
- Implemented lazy-loaded task views, centralized DB connection management, and PATCH-based status transitions, improving responsiveness while making the platform production-ready and easy to extend.

E-commerce Web Application — React, Tailwind CSS, Vite, React Router, Redux, Context API

Website | GitHub   Sept 2025

- Built a 15+ screen e-commerce platform with lazy-loaded routes, 18+ reusable UI components, and 5 shared contexts powering catalog, cart, and checkout flows with consistent state management across mobile and desktop.
- Integrated a growing set of backend APIs for catalog data, book pagination, and navigation links, and optimized routing + component loading strategies to deliver smoother transitions and a faster overall browsing experience.

In Progress

- Developing a modular Node.js/Express backend for the E-commerce platform with structured routers, paginated data endpoints, a health-check route, and centralized error handling using Mongoose models and validation logic.

EDUCATION

Lovely Professional University, Punjab

B.Tech in Computer Science and Engineering | CGPA: 7.02   2021 – 2025

Relevant Coursework: DSA, DBMS, Operating Systems, Computer Networks, Software Engineering

CERTIFICATIONS

- **ReactJS Development** – *GeeksforGeeks (2025)*
- **Software Engineering Job Simulation** – *Accenture Forage (2025)*