

# BHARTESH GIRMAL

## Full Stack Developer

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

**Location:** Pune, Maharashtra, India  
**Preferred:** Remote/ Pune / Bengaluru / Mumbai

### PROFESSIONAL SUMMARY

Results-driven Full Stack Developer with 3 years of experience in MERN stack development. Proficient in building scalable, responsive web applications using React.js, Node.js, Express, and MongoDB. Demonstrated success in optimizing performance, reducing page load times by 40%, and enhancing UI responsiveness by 25%. Experienced in Agile environments and cloud deployment with AWS, Docker, and CI/CD practices.

### TECHNICAL SKILLS

- Frontend:** React.js (Hooks, Context API, Redux), JavaScript (ES6+), HTML5, CSS3, SCSS, Bootstrap, Tailwind CSS
- Backend & APIs:** Node.js, Express.js, RESTful APIs, JWT Authentication
- Database:** MongoDB
- DevOps & Tools:** Git, GitHub, GitHub Actions, Docker, AWS, Jenkins, Linux, Postman
- Testing:** Jest, React Testing Library, Unit Testing
- Other Concepts:** Microservices, MVC Pattern, Code Splitting, Tree Shaking, Agile/Scrum

### PROFESSIONAL EXPERIENCE

#### Full Stack Developer

Tata Technologies – Pune, India

Jan 2023 – Present

**Project:** *Cost Engineering Hub (CE Hub)* – Tata Motors (Passenger Vehicles Division)

A centralized cost estimation platform that supports TDBM costing, tooling expense management, and purchase quotation analysis. CE Hub automates approval workflows and integrates data from design, procurement, and finance teams to enable accurate, data-driven decision-making across vehicle programs.:

- Frontend Development:**
  - Built **30+ modular and reusable UI components** including cost calculators, quotation dashboards, and approval panels using **React.js**.
  - Implemented **React Hooks and Context API** for efficient state management across costing workflows and multi-role access controls.
  - Improved page performance by 40% through **code splitting, lazy loading**, and component optimization.
  - Ensured high-quality user experience with **form validation, conditional rendering**, and fully **responsive design** using Bootstrap and custom SCSS.
- Backend Development:**
  - Developed and integrated **RESTful APIs** using **Node.js** and **Express.js** to manage user authentication, quotation histories, and dynamic cost calculations.
  - Designed **middleware for role-based access control**, securing endpoints for design, procurement, and finance teams.
  - Encapsulated complex business logic such as multi-level approval flows, historical tracking, and real-time data syncing.
- Database Design & Management:**
  - Structured **MongoDB schemas** to efficiently manage user roles, templates, part families, and costing data.
  - Leveraged **Mongoose validations** and embedded documents to ensure data integrity and support nested workflows.
  - Implemented **indexing and aggregation pipelines** to enhance search performance and deliver real-time analytical insights.

### KEY PROJECTS

#### React Tutorial App

React.js, React-Bootstrap

- Created a basic e-commerce UI to practice React fundamentals and component-based design
- Built modular components and used Bootstrap for styling and responsive layout
- Preview: <https://react-tutorial-bhartesh.netlify.app>

#### Redux State Management Demo

React.js, Redux

- Built a sample app to demonstrate centralized state management using Redux
- Implemented reducers, actions, and store integration for clean state handling
- Preview: <https://redaux-state-management-bhartesh.netlify.app>

React E-Commerce Web App

React.js, React-Bootstrap

- Developed a complete e-commerce frontend with add-to-cart, filtering, and product browsing
- Focused on reusable components, user flow, and responsive UI using Bootstrap
- Preview: <https://react-e-commerce-bhartesh.netlify.app>

E-Quiz Web Application

React.js, Bootstrap (Frontend) | Java JEE, Spring MVC (Backend)

- Built a quiz platform with role-based access: Admin, Student, and Evaluator
- Admins can create quizzes; students attempt; evaluators track performance
- Preview: <https://management-bhartesh.netlify.app>
- GitHub: <https://github.com/BharteshGirmal/E-Quiz-Web-Application>

EDUCATION

Post Graduate Diploma in Advanced Computing (PG-DAC) CDAC Pune – Institute of Emerging Technologies   2022	Bachelor of Engineering in Mechanical (First Class) Dr. J. J. Magdum College of Engineering, Jaysingpur   2017 – 2020
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CERTIFICATIONS

- Certified React Developer – Udemy | 2025
- The Complete JavaScript Course – Udemy | 2024
- Robot Framework with Python Selenium – Udemy | 2023

AWARDS & RECOGNITION

- *Champion of the Quarter Award (Q4 2024)* – for designing high-performance web applications.by Tata Motors (PV Division) for successful CE Hub delivery under their Digitalization initiative.
- *Recognized by Tata Motors (PV Division)* for successful CE Hub delivery under Digitalization.