MOHAMMED TOUSIF

Mobile: 9071020882 | Email: tousif.cse.rymec@gmail.com | portfolio: https://mohammed-tousif.vercel.app/

Technical Skills

Languages and DataBases: JavaScript (ES6+), TypeScript, Node.js, Express.js, PostgreSQL, MySQL
Frontend Development: React.js, Next.js(*moderate*), HTML5, CSS3, Tailwind CSS.
Backend Development: Node.js, Express.js, RESTful API Development, Authentication & Authorization (JWT, OAuth)
State Management: Redux, Context API
Visualization Tools: Responsive Web Design, UI/UX Optimization
Other Skills: Git, Webpack,Cloud Deployment (AWS, Vercel, Firebase), CI/CD Pipelines, Problem-Solving
Application Development & Integration: API Testing, Web Scraping, Integrations, Email Services, Postman, Frontend & Backend

Summary

Passionate and dedicated Computer Science and Engineering graduate with hands-on experience in frontend-focused full-stack development. Strong in JavaScript, React, HTML, and CSS, with moderate backend experience using Node.js, Express, Sequelize ORM, and SQL databases (MySQL, PostgreSQL). Experienced in building role-based access systems, integrating APIs, and developing scalable UI modules for fintech and edtech platforms. Seeking a frontend or full-stack role in a growth-oriented environment while strengthening backend expertise and modern frameworks like Next.js.

Professional Experience

ZYPTR – *Full Stack Developer*   **September 2025 – Present**

Microfinance Management System:
- Developed a full-stack microfinance application using Node.js, Express, React, and MySQL, focused on managing small-scale financial operations.
- Implemented secure workflows for loan processing, customer records, and transaction tracking.
- Optimized backend APIs for efficient data handling and system reliability.

Infakt Educational Platform:
- Built core modules using PostgreSQL, React, Node.js, and Express for a scalable learning management system.
- Contributed in frontend development and system integration for the Teacher Module**,** including content sharing and collaboration features.
- Delivered nearly 80% of the Teacher Module, supporting roles such as Super Admin, Teacher, School Admin, and Student**.**
- Improved platform usability through responsive UI and role-based access control.

ModernSpace – Real Estate Platform: (Link)
- Contributed in a high-performance real estate web platform using Next.js with server-side rendering and SEO optimization.
- Implemented property listing, search, and filtering functionalities with dynamic routing.
- Integrated backend APIs for user authentication, property management, and inquiries.
- Designed responsive UI components for improved user engagement and scalability.

Kodemapa – *Full Stack Developer Intern*   **October 2024 – March 2025**
- Orchestrated the front-end architecture of a high-traffic web platform using React.js, applying advanced state management techniques.
- Achieved a 35% reduction in page load time through performance optimization and efficient rendering.
- Built reusable and modular UI components, reducing development effort by 30%.
- Enhanced application performance using React Hooks and Context API.
- Integrated RESTful APIs with seamless cross-device responsiveness.
- Collaborated with backend developers, designers, and product managers in Agile sprints to improve UI/UX.

Projects

Clynicare – Digital Healthcare Platform / *Full Stack Developer (Team Member)* ([Link](#))

- Contributed as a core team member to the development of a digital healthcare platform for home medical services and online consultations.
- Developed responsive user interfaces using Next.js**.**
- Implemented backend services using Node.js, Express.js, and MongoDB for managing appointments and patient records.
- Designed and implemented Role-Based Access Control (RBAC) for secure access across patients, doctors, and administrators.
- Integrated RESTful APIs for doctor communication and real-time consultation features.
- Supported workflow optimization and UX improvements, contributing to increased service accessibility.

Smart India Hackathon 2023 – *Grand Finalist (Team Member)*

- Contributed as a team member to the development of a solution addressing the unpredictable failure of poly pulleys used in industrial raw material transfer systems.
- Developed monitoring and data visualization dashboards using Python and Streamlit.
- Supported backend development using PHP for data processing and system integration.
- Collaborated with team members on system design, testing, and performance analysis.
- Accomplished national-level Grand Finalist recognition through innovative problem-solving.

Achievements & Leadership

- Smart India Hackathon 2023 – ***Grand Finalist (Team Member)***
- State-Level Hackathon (Mandya) – ***Finalist***
- RYMEC Hackathon – ***Winner***
- Innovation, Development & Entrepreneurship Competitions – ***Active Participant (Selected Candidate)***

Education

Rao Bahadur Y Mahabaleshwarappa Engineering College Ballari   **January 2023-July2025**

Bachelor's in Computer Science and Engineering   *Percentage: 77.07%*

Goverernment Polytechnic College Ballari   **July 2018 – May 2021**

Diploma in Electronics and Communication Engineering   *Percentage: 72.08%*

Goverernment ITI Ballari   **July 2016 – May 2018**

I.T.I in Electronics and Mechanics   *Percentage: 72.08%*