

# THARUN CHALLA

+91-9100807049 | challatharun31@gmail.com | linkedin.com/in/tharun-challa-a59739248 | Portfolio

## Professional Summary

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MERN Stack Developer with 2 years of experience designing and building full-stack web applications using MongoDB, Express.js, React, and Node.js. Skilled in creating responsive user interfaces, developing RESTful APIs, and optimizing application performance. Committed to clean, maintainable code and delivering secure, production-ready solutions within tight timelines.

## Technical Skills

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**Frontend:** React.js, Next.js, JavaScript, TypeScript, HTML 5, CSS3, Bootstrap, Tailwind CSS

**State Management:** Redux Toolkit, RTK Query

**Backend:** Node.js, Express.js, Socket.io, Handlebars.js (Email Templates), Python

**Databases:** MySQL, MongoDB

**Cloud & Tools:** AWS S3, Docker, Git, GitHub, Bitbucket, Jira, VSCode

**UI/UX:** Responsive Design, Cross-Browser Compatibility

## Professional Experience

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### Associate Product Engineer

Crediwatch - Feb 2024 to Present

#### Crediwatch App Website (ReactJS, CSS, Bootstrap, Redux)

- Implemented lazy loading of React components and advanced code-splitting strategies, significantly reducing initial load times and enhancing user interaction performance.
- Enhanced state management using Redux Toolkit Query, simplifying asynchronous logic and reducing redundant code.
- Optimized caching strategies and asset delivery, improving responsiveness while reducing unnecessary network requests.
- Established and maintained a scalable folder structure following best practices, improving code organization and team productivity.
- Developed Reusable React Components With a modular design, reducing code duplication and ensuring consistency across multiple application features.

#### Crediwatch Report Mailers Generation (Handlebars.js, Node.js, Express.js, MongoDB)

- Developed dynamic and reusable email templates using Handlebars.js, automating the mailer system with cron jobs for timely and efficient email dispatch.
- Retrieved data from AWS S3 buckets and generated comprehensive reports in PDF, Excel, and CSV formats, ensuring accessible and versatile data presentation.
- Integrated MongoDB aggregation pipelines to fetch and transform complex data structures, enabling personalized and data-driven email content.

## Education

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### Bachelor of Technology in Electronics and Communication Engineering

CGPA: 7.78

Yogi Vemana University

Jul 2019 – May 2023