

# Ishan Singh

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## PROFILE SUMMARY

- Experienced Software Engineer with over **2+ year of expertise in React, Redux, Node.js, and MERN stack**, delivering robust full-stack solutions.
- Proficient in developing responsive, scalable, and high-performance web applications**, ensuring optimal user experience across devices.
- Currently freelancing and actively pursuing opportunities to apply my technical skills in building innovative, high-performance applications.

## EDUCATION

<b>Visvesvaraya Technological University (VTU)</b>	<b>2018 – 2022</b>
<i>Bachelors of Engineering, Computer Science and Engineering (BE-CSE)</i>	<i>Bangalore, Karnataka</i>

## TECHNICAL SKILLS

- Experienced:** JavaScript, TypeScript, React, Redux, Node, Express, HTML5, CSS3, MongoDB, REST API, Git, GitHub, GitLab
- Intermediate:** Python, Java, MySQL, Shell Scripting
- Familiar:** AWS, Jenkins, Angular, GraphQL, Tailwind CSS, Bootstrap4
- Concepts:** Data Structure, Algorithms, Problem-Solving, Object-Oriented Programming, Design Patterns

## WORK EXPERIENCE

<b>Freelancing</b>	<b>Sep 2023 – Present</b>
<i>Full Stack Developer</i>	

- Delivered end-to-end full stack development** for multiple client projects using the MERN stack, ensuring seamless performance and scalability across applications.
- Engineered pixel-perfect, responsive UIs** from Figma designs, ensuring cross-browser compatibility and enhancing user experience.
- Integrated RESTful APIs and third-party services** into existing projects, improving functionality and extending project capabilities.
- Deployed and maintained web applications on AWS**, leveraging cloud infrastructure to optimize scalability and uptime by 99%.
- Implemented secure payment functionalities** into existing projects, adhering to industry standards and increasing client satisfaction by 10%.
- Diagnosed and resolved critical bugs**, reducing production issues by 20% through thorough debugging and issue resolution.

<b>Betsol LLC</b>	<b>Jun 2022 – Aug 2023</b>
<i>Software Engineer</i>	

- Developed dynamic, responsive, and cross-browser compatible web applications**, enhancing usability across platforms.
- Led the development of a Launch Dashboard** to monitor backup and recovery operations, streamlining processes and improving operational efficiency by 15%.
- Implemented advanced React techniques** and reusable components, improving code efficiency by 20%.
- Developed custom data visualizations** using D3.js and Highcharts.js, boosting decision-making speed and data insight clarity by 15%.
- Migrated a multi-page user experience into a single-page app**, resulting in a 10% increase in customer engagement and a smoother user experience.
- Integrated RESTful APIs** to ensure real-time data updates and dynamic content rendering, improving data handling efficiency.
- Developed client-side validation features**, reducing form errors and enhancing user satisfaction through immediate feedback.

- **Optimized MongoDB databases**, improving query performance by 15% and ensuring efficient data storage and retrieval.
- **Mentored two interns** in React best practices, conducted technical interviews, and performed comprehensive code reviews, improving team performance and code quality.

## IC Solutions

Jan 2022 – Mar 2022

Intern

Remote

- **Led the development of responsive web interfaces** using JavaScript, React, HTML, and CSS, improving overall user experience.
- **Designed and implemented RESTful APIs** for the Admin Panel Web Application, streamlining user and partner details management.
- **Participated in code reviews**, adhering to best practices, improving code quality, and providing constructive feedback to peers.
- **Gained hands-on experience** across the full Software Development Life Cycle (SDLC), implementing Agile methodologies, and adhering to code quality standards to ensure efficient project delivery.

## PROJECTS

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### Emotional Detection Using Neural Network | *TensorFlow, Keras, OpenCV, Python*

- Developed an Emotional Detection using Convolutional Neural Network, which detects Real-time Emotions of a person based on the facial expressions.

### Facebook Clone | *React.js, Redux, Node.js, Express.js, MongoDB, APIs-(Google, Gmail, Cloudinary)*

- Built a full-featured Facebook clone. Implemented features like- real-time posting, commenting, and authentication, with light/dark mode functionality. Integrated Google and Gmail APIs for account verification and user authentication.

### Sorting Visualizer | *JavaScript, HTML, CSS, Sorting Algorithms*

- A JavaScript web application for visualizing various sorting algorithms. Built for use of developers and educators alike. Implemented algorithms like- Bubble Sort, Selection Sort, Insertion Sort, Merge Sort, Heap Sort, Quick Sort.

### Vocabulary Enhancer | *Python*

- A multiplayer game similar to Word Ladder, where players take turns adding letters to form words. Points are awarded based on word length, and the console displays word meanings. Implemented using Trie Data Structure.

## RELEVANT COURSEWORK

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|------------------------|-----------------------|---------------------------|-------------------------|
| • Data Structures      | • Algorithm Analysis  | • Artificial Intelligence | • System Programming    |
| • Software Methodology | • Database Management | • Internet Technology     | • Computer Architecture |