

# Sachin Arora

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## SUMMARY

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MCA graduate with a solid foundation in software development, specializing in Java, JavaScript, and HTML/CSS. Contributed to developing scalable web applications using React.js, Node.js, and TailwindCSS. Published an **IEEE** research paper on **stack ensembling techniques for Amazon product review sentiment analysis**. Proven problem-solver with strong debugging skills, known for quickly learning and adapting to new technologies. Eager to secure an entry-level software development role to apply technical expertise and drive impactful projects.

## EDUCATION

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<b>Vellore Institute of Technology</b> <i>Masters of Computer Application, 7.0 CGPA</i>	Bhopal, MP <i>Aug. 2023 – May 2025</i>
<b>Dr. Bhimrao Ambedkar University</b> <i>Bachelor of Computer Application, 74.1%</i>	Agra, UP <i>Aug. 2020 – May 2023</i>

## TECHNICAL SKILLS

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**Languages:** Java, JavaScript, HTML/CSS.  
**Frameworks:** React.js, Node.js, Tailwind CSS, Bootstrap, RestFull APIs.  
**Developer Tools:** Git, GitHub, Postman, MongoDB, VS Code.

## EXPERIENCE

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<b>Research Assistant</b> <i>Vellore Institute of Technology</i>	May 2024 – Jun 2024 <i>Bhopal, MP</i>
<ul style="list-style-type: none"><li>Led research on stack ensembling for sentiment analysis of Amazon product reviews, resulting in publication in the IEEE Digital Library. <b>Research Paper</b></li><li>Designed experiments and preprocessed data from Kaggle using text cleaning, tokenization, and lemmatization.</li><li>Developed a novel stack ensemble model combining decision trees, random forests, and SVMs, enhancing accuracy.</li><li>Presented findings at IEEE 2024 Conference. <b>Certificate</b></li></ul>	
<b>Contributor</b> <i>GirlScript Summer of Code - GssoC</i>	May 2024 – Aug 2024 <i>Remote</i>
<ul style="list-style-type: none"><li>Contributed to open-source projects by developing and enhancing <b>React.js</b> and <b>MERN</b> stack applications, improving functionality and user experience. <b>Certificate</b></li><li>Implemented <b>RESTful APIs</b> and optimized front-end performance for better responsiveness and scalability. Replaced image-based logos with React-Icons, reducing file size by <b>96%</b>, improving load times by <b>10%</b>, and enhancing mobile performance. <b>Link</b></li><li>Participated in code reviews, providing feedback to maintain high code quality.</li><li>Gained hands-on experience with Git, ensuring smooth code integration and deployment</li></ul>	

## PROJECTS

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<b>Reps-Recipes</b>   <i>React.js, Redux, MongoDB, Node.js, RESTful API, Tailwind CSS, Git</i>	Sep 2024 – Present
<ul style="list-style-type: none"><li>Developed <b>Reps and Recipes</b>, a <b>MERN</b> stack web application for ordering healthy, low-fat, and high-protein food</li><li>Integrated features for customizable meal plans to match users' dietary needs and enhanced the <b>UI</b> by leveraging <b>TailwindCSS</b>, resulting in a responsive interface.</li><li>Integrated self-created <b>APIs</b> to facilitate real-time data processing and dynamic content updates.</li><li>Optimized backend using Node.js and MongoDB for efficient data handling and meal tracking</li><li><b>Project Link</b></li></ul>	

## CERTIFICATIONS

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**Full Stack Web Development:** Devtown  
**Meta Advance React JS:** Coursera  
**Google Introduction to Git:** Coursera