

# ADARSH VERMA

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## Education

**Indian Institute of Information Technology, Jabalpur**  
*Bachelor of Technology in Mechatronics*

Nov. 2022 – May 2026

## Technical Skills

- Languages:** Java, JavaScript, TypeScript, SQL, HTML/CSS  
**Frontend:** React.js, Zustand, Next.js, TailwindCSS  
**Backend:** Spring Boot, Spring-Security, Node.js, Express.js, RESTful/GraphQL-API, JSON Web Token (JWT)  
**Databases:** MySQL, PostgreSQL, MongoDB  
**DevOps & Tools** Git, GitHub, Docker, Linux, IntelliJ-IDEA, Postman, Insomnia, MySQL-Workbench, Mongo Atlas

## Experience

<b>Software Engineering Intern</b> <i>Bloop</i>	June 2025 – August 2025
<ul style="list-style-type: none"><li>Collaborated with the Backend team to refactor and optimize the company's website using RESTful APIs, resulting in a 15% improvement in page load performance and enhanced code maintainability.</li><li>Created and modified robust validation and error-handling logic in Express.js, increasing RESTful-API reliability, conducted endpoint testing using Postman And Insomnia.</li><li>Architected and enhanced Bloop's Credit-Based Review &amp; Rewards System by refining credit accrual and redemption logic, improving transparency, preventing fraud, and driving higher user engagement and retention.</li></ul>	<i>Remote</i>

## Projects

<b>Fyn - Money Manager WebApp</b>   <a href="#">GitHub</a>   <a href="#">Live</a> <i>Spring Boot, Spring Security, MySQL, JPA, Hibernate, JWT, React.js, Maven, Git</i>	Sep. 2025 – Oct. 2025
<ul style="list-style-type: none"><li>Developed and deployed a finance management platform using Spring Boot (Java) and React.js, MySQL and Maven, enabling users to manage 100% of income and expense workflows through an intuitive dashboard.</li><li>Implemented robust security measures with Spring Security, leveraging JWT tokens to secure sensitive user data and ensure end-to-end API protection.</li><li>Built and optimized 20+ dynamic React components using Hooks and Context API, improving UI performance and maintainability while reducing code redundancy by 40%.</li><li>Designed and managed the MySQL database schema, including entity relationships, indexing, and data normalization, ensuring high data integrity, scalability, and consistency across all financial transactions.</li></ul>	
<b>Kairo – Visual Workflow Automation and Job Scheduler</b>   <a href="#">GitHub</a> <i>React.js, React-Flow, Zustand, Node.js, Express.js, MongoDB, JWT</i>	Feb. 2025 – March 2025
<ul style="list-style-type: none"><li>Designed and developed a no-code workflow automation platform using React Flow, enabling around 50 users to visually construct job pipelines and improving project delivery time by approximately 40%.</li><li>Constructed a scalable backend with Node.js and Express.js, processing up to 100 workflow executions daily with stable performance.</li><li>Integrated Stripe for automated subscription billing, supporting around 20 paid sign-ups and reducing manual payment handling by approximately 8 hours per week.</li></ul>	
<b>Natter – Real-Time Chat Application</b>   <a href="#">GitHub</a>   <a href="#">Live</a> <i>React.js, Zustand, Node.js, Express.js, MongoDB, Socket.io, Figma</i>	Nov. 2024 – Dec. 2024
<ul style="list-style-type: none"><li>Engineered a real-time chat platform supporting group and 1:1 conversations with WebSocket implementation, refined for low-latency messaging (around 100 ms in testing).</li><li>Developed RESTful APIs with JWT authentication and Zustand for state management, handling hundreds of daily requests.</li><li>Enhanced MongoDB query efficiency through indexing and minimized unnecessary UI re-renders, leading to improved responsiveness and performance.</li></ul>	

## Achievements and Extracurricular Activities

- Solved **600+** algorithmic challenges on **LeetCode** showcasing strong analytical and problem-solving skills.
- Ranked in the top 5% (Rank 4486) in CodeChef Starter 91, earned a 3-star competitive programming rating.
- Led a team of 3 in a hackathon, delivering a fully functional prototype within a 36-hour sprint under time constraints.
- Agile Requirements Foundations** : gained expertise in Agile practices and requirement gathering | [Certificate](#)