

ADARSH VERMA

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Education

Indian Institute of Information Technology, Jabalpur

Nov. 2022 – May 2026

Bachelor of Technology in Mechatronics

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

Software Engineering Intern

June 2025 – August 2025

Bloop

Remote

- 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.
- Created and modified robust validation and error-handling logic in Express.js, increasing RESTful-API reliability, conducted endpoint testing using Postman And Insomnia.
- Architected and enhanced Bloop's Credit-Based Review & Rewards System by refining credit accrual and redemption logic, improving transparency, preventing fraud, and driving higher user engagement and retention.

Projects

Fyn - Money Manager WebApp | *GitHub* | *Live*

Sep. 2025 – Oct. 2025

Spring Boot, Spring Security, MySQL, JPA, Hibernate, JWT, React.js, Maven, Git

- 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.
- Implemented robust security measures with Spring Security, leveraging JWT tokens to secure sensitive user data and ensure end-to-end API protection.
- Built and optimized 20+ dynamic React components using Hooks and Context API, improving UI performance and maintainability while reducing code redundancy by 40%.
- 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.

Kairo – Visual Workflow Automation and Job Scheduler | *GitHub*

Feb. 2025 – March 2025

React.js, React-Flow, Zustand, Node.js, Express.js, MongoDB, JWT

- 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%.
- Constructed a scalable backend with Node.js and Express.js, processing up to 100 workflow executions daily with stable performance.
- Integrated Stripe for automated subscription billing, supporting around 20 paid sign-ups and reducing manual payment handling by approximately 8 hours per week.

Natter – Real-Time Chat Application | *GitHub* | *Live*

Nov. 2024 – Dec. 2024

React.js, Zustand, Node.js, Express.js, MongoDB, Socket.io, Figma

- 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).
- Developed RESTful APIs with JWT authentication and Zustand for state management, handling hundreds of daily requests.
- Enhanced MongoDB query efficiency through indexing and minimized unnecessary UI re-renders, leading to improved responsiveness and performance.

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***