

ADARSH VERMA

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Education

Indian Institute of Information Technology, Jabalpur

2022 – 2026

Bachelor of Technology

Technical Skills

Languages	: Java, JavaScript, TypeScript, SQL, HTML/CSS
Frontend	: Next.js, React.js, Zustand, TailwindCSS, Radix UI, Shadcn UI, Redux Toolkit, TanStack Query
Backend	: Node.js, Express.js, Spring Boot, RESTful/GraphQL APIs, WebSockets, JWT/OAuth 2.0, Caching (Redis), Message Queues (RabbitMQ/Kafka), Elasticsearch, Microservices, API Design, Rate Limiting, SSR (Server Side Rendering), MVC Architecture
Databases	: PostgreSQL, MySQL, MongoDB, Prisma ORM, Supabase
DevOps & Infra	: AWS (EC2, S3, Lambda, RDS, Amplify), Load Balancing (Nginx/AWS ELB), Docker, Linux, CI/CD, Monitoring (Sentry/Logs)
AI & Agentic Systems	: LangChain, OpenAI APIs, Prompt Engineering, RAG (Retrieval-Augmented Generation), Vector DBs, Agentic AI, LLM Integration

Experience

Software Engineering Intern

December 2025 – Present

Skyclad Ventures

Remote

- Engineered and scaled frontend applications from scratch using **Next.js**, **React**, and **TypeScript**, collaborating closely with backend teams to integrate RESTful APIs and support production-scale features.
- Improved frontend performance and maintainability by designing a reusable component architecture and implementing **code splitting** and **lazy loading**, reducing initial load time by ~30% and improving code reuse across modules.
- Ensured code quality and efficiency by writing 50+ unit and component tests using **Jest** and **React Testing Library** in **Next.js**, reducing regressions by ~25% and enabling faster, more reliable releases.

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](#)

– 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.
- Hardened authentication and API access with Spring Security and JWT, protecting account data across all secured endpoints.
- 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](#)

– 2025

Next.js, React Flow, Zustand, Node.js, Express.js, Redis, PostgreSQL, Docker, Sentry, AWS EC2, Stripe

- Designed and developed a no-code workflow automation platform using Next.js, React Flow, and Zustand, enabling 50+ users to visually build and manage job pipelines, reducing project delivery time by 40%.
- Architected and deployed a scalable backend using Node.js (Express.js), PostgreSQL, and Nginx, containerized with Docker and hosted on AWS EC2, reliably handling 100+ workflow executions per day.
- Integrated Stripe for subscription-based billing and implemented monitoring with Sentry, supporting 20+ paid users while reducing manual payment operations by 8 hours/week and improving system observability.

Achievements and Extracurricular Activities

- Solved **1000+** **algorithmic challenges** across multiple platforms, demonstrating consistency and strong grasp of data structures and algorithms.
- Ranked in the top 5% (Rank 4486) in CodeChef Starter 91, earned a 3-star competitive programming rating.
- **Agile Requirements Foundations** : Gained expertise in Agile practices and requirement gathering | *Certificate*