

# SACHINANDAN YADAV

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[LinkedIn](#) — [GitHub](#) — [LeetCode](#)

## EDUCATION

### • Indian Institute of Information Technology Bhopal

*Bachelor of Technology in Computer Science Engineering*

*Nov 2022 - May 2026*

Bhopal, India

## EXPERIENCE

### • ExoSystem

*Full-Stack Web Development Intern*

*May 2024 - Aug 2024*

Remote

- Developed scalable backend services using Node.js and integrated with React.js frontend for seamless data flow and real-time performance tracking
- Built secure REST APIs with JWT authentication and implemented GraphQL for efficient data management, reducing API response times by 25%
- Utilized MySQL database optimization techniques and AWS services for deployment, achieving 99% uptime for production systems
- Implemented comprehensive testing and debugging protocols, ensuring robust feature delivery for 10,000+ active users

## PROJECTS

### • sachii-safe-logger (npm package) — Node.js, TypeScript

[GitHub](#) — [NPM](#)

- Developed and published a secure logging utility with built-in masking for sensitive data (emails, phone numbers, credit cards, API tokens)
- Designed as a dependency-free, lightweight package with TypeScript support and comprehensive test coverage

### • ConvoAI –Conversational AI — Next.js, TypeScript, Tailwind CSS, Clerk

[GitHub](#) — [Live](#)

- Built a full-stack conversational AI app with Next.js (App Router), TypeScript, Tailwind CSS, and Clerk authentication.
- Implemented real-time streaming AI responses via Vercel AI SDK with chat memory, message editing, regeneration, and React.memo optimization.
- Added file image uploads (images, documents, audio, video) with previews and secure cloud storage integration.
- Enhanced UX with markdown rendering, responsive UI, typing indicators, copy-to-clipboard functionality, MongoDB persistence, and error handling.

### • Real-Time Campaign Management System — Node.js, MySQL, AWS, Redis, Express.js [GitHub](#) — [Live](#)

- Built a scalable newsletter platform with real-time tracking capabilities using Node.js backend and MySQL database management
- Integrated AWS SES for automated email sequences and implemented Redis caching for improved performance and scalability
- Developed comprehensive analytics dashboard with React.js, providing real-time campaign performance metrics

### • Learning Management System (LMS) — Next.js, Node.js, Express.js, Authentication

[GitHub](#) — [Live](#)

- Developed a comprehensive learning management system with advanced admin dashboard featuring analytics on user enrollment and course sales
- Integrated secure authentication system with interactive data visualizations for comprehensive course and user management

## TECHNICAL SKILLS

**Programming Languages:** JavaScript, TypeScript, Go, Python, C++, SQL

**Backend Development:** Node.js, Express.js, RESTful APIs, GraphQL, Microservices Architecture

**Database Management:** MySQL, PostgreSQL, MongoDB, Redis, Database Optimization, Query Performance

**Web Technologies:** HTML, CSS, React.js, Next.js, Bootstrap, Tailwind CSS, Responsive Design

**Cloud & DevOps:** AWS (EC2, SES, S3), Docker, Git, GitHub, CI/CD, Production Deployment

**Tools & Frameworks:** Postman, VS Code, Django, Flask, Fiber, Electron.js, Version Control, API Documentation

## ACHIEVEMENTS

- Achieved top 4% ranking on [CodeChef](#) demonstrating strong algorithmic problem-solving skills
- Successfully delivered production-ready backend systems with 99% uptime and optimized database performance reducing query response times by 30%