

# Gagan Deep Yadav

## Software Development Engineer — Full-Stack (MERN)

yadaavgagan@gmail.com • +91 7565865563 • github.com/r2d2ahir03

### PROFESSIONAL SUMMARY

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Aspiring Software Development Engineer with hands-on experience in MERN stack development and strong foundations in data structures, algorithms, and system design. Proven ability to design scalable RESTful APIs, real-time applications, and CI/CD-enabled deployments using Docker and Kubernetes. Adept at translating requirements into clean, maintainable, production-ready code.

### SKILLS

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**Languages:** JavaScript (ES6+), C++, SQL

**Frontend:** React.js, Redux, Tailwind CSS, SPA architecture, WebSocket-based communication

**Backend:** Node.js, Express.js, MongoDB, RESTful APIs, Microservices design

**DevOps & Tools:** Docker, Kubernetes, Jenkins, GitHub Actions, Git, Postman

**CS Fundamentals:** Data Structures & Algorithms, OOP, OS, DBMS, Computer Networks, System Design

### WORK EXPERIENCE

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#### Codectechnologies — Web Developer Intern

Aug 2025 – Nov 2025

- Developed a scalable MERN-based streaming platform supporting dynamic content delivery and responsive UI.
- Designed and implemented RESTful APIs enabling real-time updates, reducing average response time by 35%.
- Optimized frontend performance by refactoring React components into reusable, modular architecture.
- Collaborated in a remote Agile environment using Git-based workflows and structured code reviews.

#### DCAT — Full-Stack Developer (MERN) — Training

Jul 2025 – Aug 2025

- Built end-to-end web applications with authentication, role-based access, and CRUD functionality.
- Developed responsive user interfaces using React and Tailwind CSS with cross-browser compatibility.
- Tested and validated APIs using Postman and followed version control best practices with Git.

### PROJECTS

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#### ECHO

Frontend Backend

React, Node.js, MongoDB, Socket.io, WebRTC, JWT

- Designed and built a real-time messaging platform supporting private chats, group messaging, and media calls.
- Implemented WebRTC for peer-to-peer audio/video streaming and Socket.io for low-latency event handling.
- Secured the application using JWT-based authentication and protected API routes.

#### KUBESCALE

Repository

Docker, Kubernetes, GitHub Actions

- Developed an automated deployment platform to containerize and orchestrate MERN applications.
- Designed CI/CD pipelines enabling consistent builds, testing, and environment-based deployments.

### CERTIFICATIONS

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- Full Stack Developer — DCAT
- Generative AI — Simplilearn
- Data Analytics Job Simulation — Deloitte

### ACHIEVEMENTS

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- Participated in multiple hackathons, delivering functional full-stack prototypes within strict deadlines.
- Recognized for strong problem-solving skills, rapid learning ability, and clean architectural thinking.

### EDUCATION

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**Babu Banarasi Das Institute of Technology and Management, Lucknow**

B.Tech in Computer Science and Engineering

May 2026

**Sacred Heart School, Lucknow**

Class XII (CBSE) — 78%