

LOKESH KUMAR

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Education

Indian Institute of Information Technology, Kottayam

Bachelor of Technology in Computer Science and Engineering

Nov. 2022 – Apr. 2026

(CGPA : 8.0)

Rajasthan Board of Secondary Education

High School

July 2019 – Apr. 2021

(Grade : 100%)

Technical Skills

Programming Languages: C++, C, Python, JavaScript, Java, , SQL

Frontend Technologies: React, Next.js, Tailwind CSS, Redux, HTML5,

Backend Technologies: Node.js, Express.js, REST APIs, Python

Databases & Tools: MongoDB, SQL, PostgreSQL, MySQL, Git/GitHub

Course Work: Data Structure, OS, Computer NetWork, OOPS, DBMS, Machine Learning

Deployment Tools: Vercel, Render, Netlify

Work Experience

Software Developer Intern — Elite8 Digital

Dec 2025 – Present

Remote

- Built and optimized **responsive, high-performance UI components**, improving overall **user engagement by 30%** across web platforms using React.js, Node.js, and modern CSS frameworks.
- Implemented efficient **frontend-backend API integration** via Axios and RESTful APIs, reducing **data fetch latency by 25%** and improving application responsiveness.
- Refactored legacy components and Efficient rendering logic, resulting in a **20% faster page load time** by optimistic algorithm and improved application stability.
- Collaborated with cross-functional teams to **debug, Improve, and ship features** under deadlines, ensuring reliable deployments.

Projects

ClothNest | *Node.js, React, Express.js, JWT, MongoDB, JavaScript* [Demo Link](#)

- Architected a **microservices-based e-commerce platform** with event-driven workflows to manage orders, users, and inventory, ensuring **high system modularity and fault isolation**.
- Implemented **real-time inventory synchronization** using distributed messaging and caching mechanisms, reducing **overselling incidents by 40%** during peak traffic.
- Enhanced backend APIs and asynchronous processing pipelines, improving **order processing throughput by 30%**.
- Deployed containerized services with automated **CI/CD pipelines**, enabling seamless updates and supporting **10,000+ concurrent users** with high availability and fault tolerance.

FarmStack AI | *React, Tailwind CSS, FastAPI, MongoDB, Redis, Cloudinary, Framer Motion*

- Designed and deployed a **full-stack AI system** for crop disease detection, achieving **90%+ model accuracy** on **54,000+ plant images** across **38 disease classes**.
- Enabled **real-time disease identification** with treatment recommendations, weather insights, analytics dashboard, and AI chatbot, increasing **farmer decision efficiency by 40%**.
- Built an **end-to-end ML pipeline** with containerized deployment and caching, reducing **inference latency by 35%** and ensuring production-grade reliability.

Blog-app | *Next.js 15, Prisma, Clerk, Cloudinary, React Server Components* [Demo Link](#)

- Engineered a full-stack blogging platform with secure authentication using Clerk, **allowing 100+ registered users to create, read, like, comment, and share** blogs with real-time updates and role-based access control.
- Enhanced application performance through optimized server-side rendering, intelligent caching, and efficient API data-fetching strategies, **resulting in 35% faster page load times and 40% reduction** in redundant network requests.
- Improved scalability and reliability by optimizing state management and database queries, successfully **supporting 1,000+ monthly user interactions while maintaining 99.9% application uptime** across devices.

Achievements and Extra Curricular

LeetCode

Aug 2024 – Present

- * Solved **350+ complex problems**, demonstrating strong proficiency in data structures and algorithms.
- * Maintained a **100+ day streak of solving daily problems** and achieved **210+ total active days**.

CodeChef

Sep 2023 – Present

- * Achieved a **3-star rating (Max Rating: 1610+)**, solving 300+ problems of varying difficulty levels.
- * Secured a **global rank of 260** in CodeChef Starters 177 Division 3.

Hackathons

- * Finalist in **HackOverflow Hackathon** and **Smart India Hackathon (SIH)** — developed innovative full-stack solutions addressing real-world challenges among top shortlisted teams nationwide.
- * Collaborated in a 4-member developer team, building scalable prototypes under tight deadlines, showcasing strong problem-solving, teamwork, and innovation skills.