

Alok Kumar

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SUMMARY

Software engineering student with strong foundations in DSA, OOP, Operating Systems, and RESTful API development. Skilled in full-stack development with React.js and Node.js, and actively exploring research areas like machine learning, NLP, and system design to solve real-world technical challenges.

EDUCATION

Lovely Professional University

Bachelor of Technology in Computer Science and Engineering CGPA: 6.9 / 10

Phagwara, Punjab, India

Aug 2023 – Aug 2027 (Expected)

Delhi Public School, Jubilee

Senior Secondary (CBSE) Score: 65%

Motihari, Bihar, India

Apr 2021 – Mar 2023

TECHNICAL SKILLS

Languages: C++, JavaScript, Python, SQL

Core Concepts: Data Structures, Algorithms, Object-Oriented Programming, REST APIs, Operating Systems

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Tailwind CSS, Bootstrap

Databases & Cloud: MongoDB, Sanity CMS, Docker, Vercel, Render

Developer Tools: Git, GitHub, Postman, VS Code

Exploring: Machine Learning, NLP, React Native, System Design

PROJECTS

Event Management System (Group Project – In Progress) 🐙 🌐

Next.js, React.js, Tailwind CSS, Node.js, Express.js, MongoDB, Docker

Jan 2025 – Present

- Developed responsive multi-role event management UI using Next.js and Tailwind CSS, focused on user experience and accessibility.
- Built admin dashboard for event creation, real-time QR code generation, and attendee tracking.
- Integrated JWT-based authentication and role-specific routing with reusable dynamic components.
- Collaborated with backend team on RESTful APIs, Dockerized deployment, and optimizing data flow between frontend and backend.

Portfolio Website (Personal Project) 🐙 🌐

Next.js, React.js, MongoDB, Sanity CMS, Resend API

Aug 2024 – Dec 2024

- Built a full-stack personal portfolio using Next.js with API routes and MongoDB for dynamic content and backend support.
- Integrated Sanity CMS to manage blog posts and fetch content in real-time via GROQ queries.
- Developed a contact form with Telegram alerts and email notifications via Resend API for real-time communication.
- Deployed with GitHub and Vercel; implemented CI/CD pipeline for automated updates and preview environments.

PhishGuard Email Checker (Personal Project – Cybersecurity Workshop) 🐙 🌐

React.js, Next.js, VirusTotal API, Google Safe Browsing API

May 2025 – July 2025

- Built a phishing detection web app using Next.js that scans email content for threats via VirusTotal and Google Safe Browsing APIs.
- Designed a frontend dashboard to display domain reputation, DNS info, and blacklist status for user awareness.
- Developed during a university-led cybersecurity workshop; received certification and maintain active learning via TryHackMe.
- Planning to enhance detection accuracy using machine learning and NLP for intelligent threat classification.

ACHIEVEMENTS

- Solved 237+ Data Structures and Algorithms problems on LeetCode; active coding profile at Codolio.
- Completed cybersecurity workshop and developed a practical security analysis tool.
- NPTEL – Advanced Computer Networks (View)
- Google-Coursera – Bits and Bytes of Computer Networking (View)
- Certified on TryHackMe cybersecurity platform with active participation in hands-on labs (Profile)

EXTRACURRICULAR ACTIVITIES

- Technical Team Member at Zenvest Club, contributing to workshop automation, website development, and tech-enabled student outreach initiatives.