

MANISH KUMAR

Email Id — Phone No. — LinkedIn — GitHub — Portfolio

Professional Summary

- Computer Science Engineering undergraduate focused on building scalable full-stack applications and AI-powered automation systems.
- Experienced in developing efficient APIs, real-time workflows, and optimized data architectures with measurable performance gains.

Education

Bachelor of Technology (B.Tech) in Computer Science and Engineering (2023–2027)

Indian Institute of Information Technology, Raichur

CGPA: 8.1

Skills

- **Languages:** C, C++, Python, JavaScript
- **Backend:** Node.js, Express.js, REST APIs, JWT, MongoDB, Mongoose
- **Frontend:** React, Redux Toolkit, Tailwind CSS, Vite
- **AI/ML:** OpenCV, Face Recognition, Machine Learning
- **Core CS:** DSA, OOPS, DBMS, OS, Computer Networks
- **Tools:** Git, Postman, Linux, Vercel

Experience

Teacher's Assistant

Sep 2025 – Present

- Mentored 120+ undergraduates, improving lab pass rates by 30% through structured debugging and algorithmic coaching.
- Evaluated 200+ programs per semester and reduced average runtime by 25–40% via optimization guidance.

Projects

EYEON - An Automated Surveillance System

Live — GitHub — (2025)

- Built OpenCV-based face recognition pipeline processing 15+ FPS streams with >90% detection accuracy.
- Integrated Telegram alerts delivering sub-3-second unknown visitor notifications.
- Reduced false alerts by 40% using threshold-based face embedding calibration.

TheDoctor – AI Smart Healthcare Platform

Live — GitHub — (2025)

- Developed MERN telemedicine platform handling 500+ concurrent users with JWT-secured APIs.
- Integrated ML disease risk prediction achieving 87% validation accuracy.
- Decreased average API latency by 38% through query indexing and response caching.

GrowthHub – Productivity & Task Management Platform

Live — GitHub — (2024)

- Engineered a MERN productivity platform with JWT authentication, managing user's tasks via optimized MongoDB schemas.
- Managed 10,000+ task records using optimized MongoDB schemas and dashboards.
- Improved task completion rates by 27% via analytics-driven UI flow redesign.

Academic & Extra-Curricular Activities

- NTSE Scholar; Qualified IMO and Science Olympiad (Classes 6–10)
- Qualified NDA; appeared in SSB four times
- Represented IIIT Raichur among 16+ IIITs in Inter-IIIT Basketball Tournament