MANISH KUMAR

Email Id — Phone No. — LinkedIn — GitHub

Professional Summary

- Computer Science Engineering undergraduate specializing in scalable MERN systems, secure backend engineering, and AI-driven automation.
- Proven ability to design production-grade APIs, real-time pipelines and data models with measurable performance improvements.

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 – AI-Powered Smart Surveillance Platform   Live — GitHub — (2025)

- Architected a MERN-based real-time surveillance dashboard integrated with a Python ML microservice for face recognition inference.
- Built an OpenCV + FaceNet pipeline processing 15+ FPS live streams with >90% detection accuracy and MongoDB-based identity storage.
- Implemented REST APIs and Telegram alert pipelines delivering sub-3-second unknown detection notifications while reducing false positives by 40%.

TheDoctor – AI Smart Healthcare Platform   Live — GitHub — (2025)

- Developed MERN telemedicine platform handling 500+ concurrent users with JWT-secured APIs.
- Integrated ML-based 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)

- Built MERN productivity platform serving 300+ test users with JWT-secured APIs.
- 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)
- Represented IIIT Raichur among 16+ IIITs in Inter-IIIT Basketball Tournament