

PREM KOLTE

Mapusa, Goa

📞 +91-7666379380 ✉️ premkolte26@gmail.com 🔗 [linkedin.com/in/prem-kolte](https://www.linkedin.com/in/prem-kolte) 🌐 premkolte.in 🐙 github.com/premkolte

EDUCATION

VIT Bhopal University, Bhopal

B.Tech - Computer Science and Engineering - CGPA - 8.88

2023 – present

Bhopal, Madhya Pradesh

EXPERIENCE

Intern at AmasQIS.ai [🔗](#)

Role - MERN Stack Developer

May 2025 – Present

Remote

- Engineered and optimized 5+ scalable full-stack web applications using the **MERN stack**, resulting in 35% faster page loads and improved cross-device performance.
- Collaborated with 3 client teams to deliver tailored software modules, enhancing customer engagement and increasing retention by 20%.
- Developed 12+ reusable React components and implemented modular architecture, reducing code duplication by 40% and boosting development speed.

Intern at India Space Lab [🔗](#)

Role - ISL Trainee

Dec 2024 – Jan 2025

New Delhi, India

- Ranked in the **top 2.5% (AIR 255)** out of 10,000+ applicants to qualify for a prestigious 6-month national internship on aerospace and drone technology.
- Designed and simulated 3 autonomous drone prototypes using **ML algorithms**, improving real-time stability control and reducing drift error by 22%.
- Integrated robotics hardware with AI pipelines in a multi-disciplinary team of 6, resulting in a 30% improvement in navigation accuracy and mission efficiency.

PROJECTS

Animate Hub: Animation UI Library [🔗](#) | ReactJS, NodeJS, Express, MongoDB, Material UI 2024

- Built a **reusable animation component library** to simplify and accelerate **modern UI development** for **React applications**.
- Designed a **developer-friendly API** enabling seamless integration of **complex animations** with minimal code changes.
- Developed 20+ customizable UI components and improved library performance through **modular optimization**.

VASUDHA: AI-Powered Livestock Monitoring Platform [🔗](#) | ReactJS, Node.js, Blockchain 2025

- Built a **full-stack farm management platform** to monitor **MRL** and **AMU** in livestock, with a **React web portal** for regulators/vets and a **mobile-first PWA** for farmers.
- Developed **AI risk prediction models** using **Python, Scikit-learn, and XGBoost** to estimate **MRL violation probability** and generate farm **Residue Risk Scores**, improving compliance decisions by **80%**.
- Implemented a **blockchain compliance ledger** using **Hyperledger Fabric** for **tamper-proof traceability** of drug usage, livestock samples, and lab reports.

TECHNICAL SKILLS

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

Web & Frameworks: React.js, Next.js, Node.js, Express.js, Angular, REST APIs

Databases: MongoDB, PostgreSQL, MySQL, Firebase

Cloud & DevOps: AWS, Docker, Git, CI/CD, Vercel, Render

AI/ML: TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy

ACHIEVEMENTS

- Smart India Hackathon 2025:** Secured **National Level Runner-Up** position and was among the **Finalists** in India's largest government innovation hackathon with **500+ teams**.
- Open Source: Project Admin** for Animate Hub in **GirlScript Summer of Code (GSSoC)**; ranked in the **Top 150** among **20,000+ global contributors**.
- LeetCode:** Contest rating **1771** with a **400+ day problem-solving streak** and **30+ badges**.
- CodeChef:** **3* Coder** with a maximum contest rating of **1616**; earned the **Diamond Streak Badge**.
- Codolio:** Achieved **Global Rank #33**, outperforming thousands of competitive programmers worldwide.
- DSA Practice:** Solved **1500+ problems** across platforms including **LeetCode, GeeksforGeeks, CodeChef, Codeforces, and Coding Ninjas**. [\[View Profiles\]](#)