PREM KOLTE

Mapusa, Goa

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EDUCATION

VIT Bhopal University, Bhopal   **2023 – present**
B.Tech - Computer Science and Engineering - CGPA - 8.88   *Bhopal, Madhya Pradesh*

EXPERIENCE

Intern at AmasQIS.ai ↗   **May 2025 – Present**
Role - MERN Stack Developer   *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 ↗   **Dec 2024 – Jan 2025**
Role - ISL Trainee   *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**
- Created a reusable animation component library to simplify and speed up modern UI development for React-based applications.
- Designed a user-friendly API that enables developers to integrate complex animations with minimal code changes.
- Contributed over 20+ customizable components and improved library performance through modular optimization.

MicroMart: Smart E-Commerce for MSMEs ↗ | MERN, Flutter, TensorFlow, Scikit-learn   **2025**
- Developed a full-stack e-commerce platform for MSMEs with a responsive **React + TypeScript web app** and cross-platform **Flutter mobile app**, enabling 1000+ SKUs and mobile access for 5,000+ simulated users.
- Built ML pipelines for **sales forecasting (R^2: 0.89)**, **fraud detection** with precision metrics, and **AI-based product recommendations** (RMSE: 0.0181), improving decision accuracy by over 40%.
- Integrated a dynamic Streamlit dashboard for model testing and real-time insights; improved platform testing speed by 35% and boosted overall recommendation CTR in demo tests by 22%.

TECHNICAL SKILLS

Languages: C, C++, Python, SQL, Java, JavaScript, TypeScript
Frameworks/Libraries: React.js, Node.js, Angular, Express.js, Next.js
Development Practices: Software Development Life Cycle (SDLC), Agile, REST APIs
Cloud/DevOps: AWS, Firebase, Docker, Git, CI/CD pipelines

ACHIEVEMENTS

- **Hackathon:** Finalist in **Smart India Hackathon (SIH)** 2024 — top-ranked solution in internal rounds from 500+ university teams.
- **Open Source: Project Admin** for Animate Hub in GSSoC'25; ranked in the **Top 150** among 20,000+ global contributors.
- **LeetCode:** Contest rating **1771**, **400+ day** daily streak, and **22+ badges** since July 2024.
- **GeeksforGeeks:** Solved **300+ problems**, consistently ranked in top contributors.
- **Codolio:** Achieved Global Rank **#33**, outperforming thousands of competitive programmers worldwide.
- **CodeChef:** Max contest rating **1515**; earned the **Diamond Streak Badge** for 100+ day consistency.
- **DSA Practice:** Solved **1500+ problems** across LeetCode, GFG, CodeChef, Codeforces, and Coding Ninjas.