PALASH TINKHEDE

+91-9028226380 | ✉ palash.tinkhede8124@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Indian Institute of Information Technology, Nagpur   July 2022 – June 2026

Bachelor of Technology - Computer Science and Engineering   CGPA: 7.84

Experience

Project Trainee – ZOHO   Aug 2025- Present
- **Developed a custom Linux-based OS using the Yocto Project**, integrating sensor interfaces with a web-based UI using various communication protocols (e.g., I2C, SPI, UART, MQTT).
- **Built and deployed edge computing solutions using Intel Open Edge Platform**, enabling real-time data processing and device interoperability at the network edge.

COURSEWORK & SKILLS

- **Core Areas**: Data Structures, Operating Systems, Computer Networks, Computer Architecture
- **Development**: Full-Stack Development, System Design, Software Developer

TECHNICAL SKILLS

- **Programming:** C++, Python, JavaScript, Java.
- **Frontend:** HTML5, CSS3, Bootstrap, Tailwind.
- **Backend:** Node.js, Express.js, REST APIs.
- **Frameworks & Databases:** React.js, MongoDB.
- **Tools:** Git, VS Code, Postman, Linux

PROJECTS

Chat Box : React.js, Node.js, MongoDB, Express.js, and Socket.io   Sept 2024 – Nov 2024
- **Full-Stack Development & Security**: Built a secure MERN stack application using React.js, Redux, Node.js, Express.js, MongoDB, and Socket.io; implemented JWT and bcrypt to safeguard authentication for 500+ users.
- **Real-Time & Scalable Features**: Developed a real-time chat system with group chat, online status, and request handling for 100+ concurrent users; integrated Cloudinary to efficiently manage 1,000+ monthly media uploads.
- **Performance Optimization**: Enhanced backend performance by optimizing APIs and databases, reducing server response time by 30% for a smoother user experience.

Shop Vault: React.js, Node.js, MongoDB, Express.js, and Toastify   Jan 2024 – Mar 2024
- **E-Commerce Platform Development**: Designed and built a scalable, user-friendly platform serving 1,000+ users with intuitive navigation and seamless shopping experiences.
- **Core Shopping Features**: Implemented cart management, secure checkout, order tracking, and address handling, efficiently processing 500+ orders monthly.
- **User Engagement & Performance**: Enhanced reordering with purchase history tracking for 300+ users, personalized recommendations, and optimized performance—reducing page load time by 40%.

Portfolio Website: React.js, Redux, Node.js, Git and Tailwind CSS,   Sept 2023 – Oct 2023
- **Portfolio Website Development:** Planned and executed a professional portfolio website, successfully showcasing skills, projects, and achievements, attracting 200+ visitors monthly.
- **Navigation and Accessibility:** Prioritized seamless navigation and intuitive layout design, improving user experience across devices and platforms, with a 25% increase in engagement.
- **SEO Optimization:** Utilized SEO best practices, leading to a 30% boost in organic traffic and improved visibility in search engine.