Balram Panigrahi

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Education

Lokmanya Tilak College of Engineering   2022–Present
B.E. in Computer Engineering

Skills

Frontend: HTML, CSS, React.js, Next.js, React Native, TailwindCSS, Redux Toolkit
Backend: SQL, MongoDB, Express.js, Firebase, TRPC, WebSockets, API Design
Blockchain: Solidity, Truffle, Hardhat, Ganache, Web3.js, Chainlink, IPFS
Languages: C, Java, Python, JavaScript, TypeScript, Rust
AI/ML Tools: TensorFlow, LabelImg

Professional Experience

React Intern   July 2025–Oct 2025
Digital Crown LLP Solutions, Navi Mumbai (Hybrid)

• Designed scalable React applications for the client's enterprise project.
• Building 15+ modular components with state management and API integration.
• Building performance improvements, reducing load time by 25 percent and ensuring stable production.

Full Stack Intern   Jun 2024–Aug 2024
CheckExplore Technologies, Navi Mumbai (On-Site)

• Designed and developed 10+ dynamic app screens with responsive UI and reusable components, improving user experience for nearly 1000 daily users.
• Created and implemented an Angular application managing 5+ complex workflows with API integrations for enterprise use.
• Collaborated with the AI team, integrating AI features and gaining practical insights into 3 machine learning models.

Projects

Farm-Assure: Blockchain Agriculture Platform   (Live Link) (GitHub)

• **Tech Stack:** Solidity, React.js, Web3.js, Ganache, Truffle, IPFS
• Decentralized marketplace for transparent farmer–buyer transactions.
• Smart contracts for crop listing, purchase, dispute resolution with AI insights.
• Dashboard for real-time crop and transaction tracking.

Crowd Detector: Smart AI Crowd Tracking   (GitHub)

• **Tech Stack**: React Native, Expo, Node.js, Express.js, MongoDB, Firebase, WebSockets.
• **Crowd Detector**: Real-time updates on crowded areas to help users avoid congestion
• **Location Finder**: Accurate location tracking to enhance navigation and user insights.
• **Emergency Services:** Quick access to nearby hospitals, police stations, and helplines for safety.

Certifications

Oracle OCI Generative AI Certification

Covered LLM fundamentals, OCI Generative AI Service, and RAG-based chatbot development with LangChain.

IBM SkillBuild Internship Program with CSRBOX

Internship in Data Analytics – analyzed datasets and built insights.