# SHUBHAM PATRA

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## SUMMARY

B.Tech CSIT graduate from ITER (SOA), Class of 2026. Full-stack developer with hands-on experience leading a team of 5 at Kurators, building scalable applications with measurable performance improvements. Passionate about creating efficient, production-ready solutions and writing clean, maintainable code.

## EDUCATION

**ITER, Siksha 'O' Anusandhan University, Bhubaneswar, Odisha** — 7.41 CGPA
*Bachelor of Technology in Computer Science & Information Technology* — 2022 – 2026

## EXPERIENCE

**Full Stack Developer Intern** — Jul 2025 – Present
*Kurators* — *Bengaluru / Remote*

- Led a development team of 5 interns, driving sprint planning, code reviews, and timely feature delivery in a fast-paced startup environment.
- Architected and shipped production features, reducing page load times by 25% and improving query performance by 40% through optimized database schemas and efficient queries handling 100k+ records.
- Developed scalable modules including product catalog, seller dashboards, and end-to-end customer journey flows.
- Built high-impact features such as real-time stock updates, predictive recommendations, and analytics dashboards using OOP abstractions, reducing bug frequency by 15% while boosting engagement and data-driven decision-making.
- Improved code quality by maintaining 85%+ test coverage, reviewing 20+ pull requests, and enforcing clean code principles and system design standards across the team.
- Authored comprehensive technical documentation covering APIs, workflows, and data models to streamline onboarding and ensure long-term maintainability.

## PROJECTS

**Split-It** | *React, Node.js, Express, MongoDB, Socket.IO, Tailwind CSS* — Live | GitHub

- Built full-featured expense sharing app with real-time WebSocket updates, optimized debt simplification algorithm reducing settlement transactions by 40%, and multi-currency support with live exchange rates.
- Implemented PWA with push notifications, email digests, recurring expense automation, and comprehensive analytics dashboard for tracking spending patterns across groups.

**CodeTogether** | *React, TypeScript, Node.js, Express, Socket.IO* — Live | GitHub

- Built real-time collaborative code editor supporting 10+ concurrent users with live cursor tracking, instant code synchronization, integrated chat, and shared whiteboard for visual collaboration.
- Engineered WebSocket-based architecture achieving sub-100ms latency for real-time code sync, user presence detection, and multi-language syntax highlighting across collaborative sessions.

**CareerConnect** | *PHP, MySQL, Bootstrap, REST API* — Live | GitHub

- Built full-stack job portal with role-based authentication supporting recruiters, job seekers, and admins, featuring real-time analytics dashboard with CSV/PDF data export capabilities.
- Implemented secure RESTful APIs with input validation, file upload system with type/size restrictions, and normalized MySQL schema optimized for efficient job search and application tracking queries.

## Technical Skills

**Languages**: Java, C++, C, PHP, JavaScript, TypeScript, HTML5, CSS3
**Frameworks & Tools**: Node.js, Express.js, React, Socket.IO, Bootstrap, Git, GitHub
**Databases**: MongoDB, MySQL
**Core Competencies**: Data Structures & Algorithms (DSA), Object-Oriented Design (OOD), Analytical Thinking, System Design Basics