



# Pabitra Sahoo

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## PROFILE

Motivated software developer driven by curiosity and a love for creating meaningful digital experiences. Skilled in building efficient, scalable applications and always eager to learn, collaborate, and contribute to impactful projects.

## WORK EXPERIENCE

### Nirmalya Labs

Full Stack Development Intern

06/2025 – 09/2025

Bhubaneswar

- Contributed to a Healthcare ERP system using Java 8 and Spring Boot 2.5, improving API performance and response time by 28–35%.
- Designed and contributed to a Blood Bank Management & Reporting System using jQuery, HTML5, and CSS3, improving workflow speed and reducing manual effort by 40%.
- Developed and integrated RESTful APIs, improving system reliability and ensuring smooth frontend–backend communication.
- Performed data entry validation, module testing, and UI flow enhancements, reducing data inconsistencies by 30% and improving overall user experience.

## PROJECTS

### Blood Bank Management System - Nirmalya labs (Internship Project)

- Developed end-to-end modules for donor registration, blood inventory tracking, and request approval using Java and Spring Boot, improving module efficiency by ~25%.
- Built RESTful APIs for secure and efficient data communication between modules, reducing API response time by 20–30%.
- Implemented advanced tabular views using AG Grid (filtering, sorting, pagination, dynamic columns), enhancing data navigation speed by 40%.
- Created interactive jQuery-based forms with live validation and AJAX, reducing manual input errors by ~35% and improving form submission speed by ~50%.
- Collaborated with team members to debug UI issues and optimize performance, decreasing UI load time by 15–20%.

### Card Matching Game (HTML, CSS, JavaScript)

- Designed a fully responsive game board using HTML5 and CSS3 Grid, improving layout adaptability across 10+ screen sizes.
- Implemented smooth card-flip animations, match detection, and transitions, enhancing gameplay fluidity by ~40%.
- Developed complete game logic in JavaScript including shuffling, move tracking, timer handling, click-disable behavior, and restart flow, reducing logic errors by ~30%.
- Added a winning popup/message and scoring system, increasing user engagement and replayability by ~25%.
- Optimized the UI for mobile, tablet, and desktop devices, achieving a 100% responsive experience.
- Improved DOM performance through optimized event handling and rendering, reducing unnecessary reflows by ~35%.
- Wrote clean, modular JavaScript functions with comments, improving code readability and maintainability by ~50%.

## EDUCATION

### Regional College of Management

Master of Computer Applications

2024 – Present

Bhubaneswar

### F. M. University

B. Sc. in Zoology

2021 – 2024

Balasore

## SKILLS

### Technical Skills

- **Frontend:** JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Bootstrap 5, jQuery 3.6
- **Backend:** Java, Spring Boot, REST APIs
- **Database:** SQL
- **Tools & Platforms:** Git, GitHub, VS Code, IntelliJ, Postman

### Soft Skills

Collaboration, Communication, Problem Solving, Debugging, Adaptability, Ownership, Time Management

## LANGUAGES

English, Hindi, Odia(Native), Bengali