

## SKILLS

- ❖ **Frontend:** HTML, CSS, JavaScript, React
- ❖ **Backend:** Java(Spring Boot), PHP
- ❖ **Database:** MySQL, PostgreSQL

## EDUCATION

- ❖ Bachelor of Computer Application | Kathford International College Of Engineering and Management *2022-Present (Expected 2026)*
- ❖ XII (NEB) | Ambition Academy *GPA:3.29 | 2021*

## ACADEMIC PROJECTS

- ❖ **Local Event Finder — Event Discovery & Management Platform**
  - Built a production-grade RESTful backend using Spring Boot for local event discovery, supporting ticketing, payments, and community groups.
  - Implemented JWT authentication with token blacklisting, BCrypt hashing, and a granular RBAC system with 3 roles and 10 permissions using Spring Security.
  - Integrated dual payment gateways (Khalti & eSewa) with callback verification, automatic enrollment, and admin-controlled refund processing.
  - Developed QR code-based ticketing system with unique code generation, scan-based check-in, and multi-ticket booking support.
  - Built a full admin moderation panel covering user suspension, event flagging, report resolution, role upgrades, and payment administration.
  - Implemented location-based event search using Haversine formula, personalized recommendations, and interest-based filtering with PostgreSQL and JPA/Hibernate.
  - Repository: <https://github.com/RabinPyakurel/Local-Event-Finder-Backend-.git>
- ❖ **ReliefKart – Disaster Relief E-Commerce Platform**
  - Built a full-stack disaster-relief e-commerce system enabling users to browse, purchase, and manage essential emergency supplies.
  - Developed scalable backend APIs using **Spring Boot**, featuring secure authentication, product management, and order processing.
  - Implemented **PostgreSQL** for structured data storage with optimized queries and relational mapping via JPA/Hibernate.
  - Enhanced reliability with proper validation, exception handling, service-layer abstraction, and RESTful API design best practices.
  - Repository: <https://github.com/RabinPyakurel/ReliefKart.git>
- ❖ **Student Academic Portal – Web-based Student Management System**
  - Developed a full-stack student portal for managing attendance, fees, exam forms, library operations and event participation.
  - Built a responsive UI with HTML, CSS & JavaScript (AJAX/jQuery) and implemented secure backend in PHP/MySQL.
  - Automated report generation with MySQL triggers and email notifications (via

PHPMailer) to improve data-management efficiency.

- Developed QR code-based ticketing system with unique code generation, scan-based check-in, and multi-ticket booking support.
- Included role-specific dashboards (student/admin) and streamlined processes such as online fee tracking and exam schedule submission.
- Repository: <https://github.com/RabinPyakurel/Student-Academic-portal>

## ACHIEVEMENTS

- Public Choice Award – CodeFest 2024 Hackathon

## HOBBIES

- Gaming, Reading, Exploring new technologies