

Bhimsen Basnet

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Education

B. Sc (Hons.) IT.
Techspire College

September 2024 – Present
Kathmandu, Nepal

Projects

DeadDrop – Full-Stack Java Web Application

Personal Project | Technologies: Java, JDBC, Servlets, MySQL, JSP, HTML, CSS

- Designed and developed a secure, credit-based task management platform, enabling users to create, execute, and delete tasks with real-time credit deduction.
- Implemented robust user authentication with hashed passwords, session management, and form validation to ensure complete data security.
- Architected and managed a MySQL database, handling users, tasks, and credit transactions efficiently with relational integrity.
- Built a dynamic, responsive front-end with JSP, HTML, and CSS, presenting interactive task cards with details, deadlines, and credit details.
- Applied MVC design principles for clean separation of concerns, maintainable code, and scalable architecture.
- Demonstrated end-to-end full-stack development, including server-side logic, database integration, and intuitive UI/UX design.

Hall Booking Management System – Desktop Application

Technologies: Java, Swing, Text Files

- Designed and developed a desktop-based Hall Booking Management System to manage hall reservations, bookings and cancellations.
- Implemented secure user authentication and role-based access control.
- Applied MVC architecture with Controller, Service, and DAO layers to ensure clean separation of concerns.
- Integrated file-based data persistence for managing users, bookings, payments, and receipts.
- Built an interactive Java Swing UI with responsive components, dialog-based workflows, and dynamic updates for smoother experience.
- Implemented booking validation, scheduling logic, and automated receipt generation to ensure accurate hall reservation management.
- Demonstrated object-oriented programming principles, modular design, and reusable components across the application.

Console Vending Machine System | Java

Console Based Project | Technologies: Java

- Built a role-based vending system using Java.
- Implemented user accounts, file-based data storage, and inventory restocking for admin.
- Designed transaction and menu management logic.

Technical Skills

Languages: Advanced Java, HTML, CSS, JavaScript, Python, C, My SQL, MS SQL, R

Frameworks: Spring, Spring Boot

Tools: Git, GitHub, MongoDB, Postman, Figma

Competencies

Attention to Details, Creative, Troubleshooting, Organization, Communication, Teamwork, Criticism

