

# Madhuri Rajbanshi

Kachankawal-6,Jhapa | madhurirajbanshi318@gmail.com | 9824034291 |

linkedin.com/in/madhuri-rajbanshi | github.com/madhurirajbanshi

## Introduction

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Hi, I'm Madhuri Rajbanshi, a passionate BSc CSIT student with a strong interest in web development. With hands-on experience in building full-stack applications and APIs, I'm eager to apply my skills in real-world projects. I'm highly motivated to learn, collaborate, and grow in a dynamic development environment.

## Education

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### Tribhuvan University

*Bachelor of Science in Computer Science and Information Technology*

◦ **Relevant Coursework:** Programming, Database Management Systems, Computer Networks, Design and Analysis of Algorithms, Web Technology, Artificial Intelligence, Software Engineering, NET Centric Computing

## Participations

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### KU-HackFest

2023

## Experience

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### MERN Stack Development Intern, Lunar I.T. Solution Pvt. Ltd., Itahari

- Developed a responsive Book Inventory Management System using Tailwind CSS for a smooth and mobile-friendly UI.
- Implemented form validation, JWT authentication, and role-based access control for secure user and admin access.
- Created RESTful APIs to handle CRUD operations for books and users.
- Integrated payment gateway for secure transactions.

### ASP.NET Core Development Intern, Crystal Solution — Birtamode, Jhapa

- Developed and completed the Red Cross Blood Management System (RCBMS), including both the API and web application.
- Analyzed and designed the application architecture, ensuring scalability and performance.
- Managed the database, developed features, and ensured the smooth operation of the system.
- Worked on debugging, troubleshooting, and optimizing the system for optimal functionality.

## Projects

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### Book Inventory System (GitHub)

Developed a MERN stack-based Book Inventory System with an admin panel and payment integration for efficient book management and transactions. Key features include CRUD operations, JWT authentication, role-based access control, and RESTful API.

### SpendSecure (GitHub)

Developed an expense tracking web app using **ASP.NET Core**, **SQL Server**, and **Entity Framework** for efficient backend and database management, ensuring a seamless user experience.

### Know Your Algo (GitHub)

Developed an API for the "Know Your Algo" platform to manage algorithm exploration, visualizations, user interactions, and upvoting. Built using ASP.NET Core, enabling seamless user contributions and learning.

### Todo-List (GitHub)

Developed a dynamic Todo List app using React, with real-time task updates via useState. Implemented form validation and a responsive UI using CSS for a smooth user experience.

## Skills

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**Languages:** C, C++, C#, JavaScript

**Frameworks and Libraries:** ASP.NET Core, React.js, Node.js, Express.js, Bootstrap, Tailwind CSS

**Database:** SQL Server, MongoDB, PostgreSQL

**Version Control:** Git, GitHub

**Soft Skills:** Problem-solving, Teamwork and Collaboration, Time Management, Communication, Adaptability, Attention to Detail