

Suraj Pathak

Kathmandu, Nepal

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Education

Tribhuvan University

Kathmandu, Nepal

BSc. Computer Science and Information Technology (CSIT)

Expected Graduation June 2026

- **Relevant Courses:** Artificial Intelligence, Database Management Systems, Software Engineering, System Analysis and Design, Computer Graphics, Image Processing, Cryptography, Operating System, .NET, Compiler Design, Design and Analysis of Algorithms.

Projects

Ward Alert Training Management System

Feb 2025

- Developed a comprehensive training management platform using ASP.NET Core razor pages
- Implemented user registration workflow with identity verification through citizenship document upload
- Created an admin dashboard for managing training sessions, approving registrations, and monitoring participation
- Built dynamic status tracking for training sessions (ongoing/upcoming/expired) with automated updates
- Technologies: C#, ASP.NET Core MVC, Entity Framework, SQL Server, Bootstrap, JavaScript

Portfolio

Nov 2024

- Developed an interactive command-line interface portfolio using Next.js and React with keyboard navigation, command history, and tab completion
- Implemented themed UI with dark/light mode switching, responsive design, and custom commands for portfolio navigation and few easter commands
- Technologies: React, Next.js, Tailwind CSS, JavaScript, React Hooks, Vercel

E-commerce Platform

Jan 2025

- Built a complete e-commerce solution using ASP.NET Core MVC with Khalti payment integration
- Implemented client-side cart functionality using localStorage for persistent shopping experience
- Developed admin dashboard for product management, order processing, and inventory control
- Created structured database models with SQL Server for efficient data management
- Technologies: C#, ASP.NET Core MVC, SQL Server, JavaScript, HTML/CSS

URL Shortener

Dec 2023

- Developed a URL shortening service implementing the MVC architecture pattern
- Utilized nanoid for generating unique, short URLs with collision resistance
- Created a responsive web interface for URL submission and management
- Technologies: Node.js, Express, MongoDB, JavaScript, HTML/CSS

Algorithm Visualizer

Jul 2023

- Built an educational tool that visually demonstrates sorting algorithms in action
- Implemented 5 different sorting algorithms with step-by-step visualization
- Created an intuitive UI with speed controls and algorithm selection
- Technologies: Vanilla JavaScript, HTML, CSS

Open Source Contributions ---

Seal Notes

Dec 2024

- Solved Two Issue with Enter Key not working on Password Decryption and Creation , enhancing user experience during authentication flows

Skills ---

Languages	JavaScript, C# , Python, C, C++, SQL.
Frameworks and Tools	Node.js, .NET, React, Next.js, Tailwind CSS, Docker, XAMPP, Express.
Databases	MySQL, Mongo DB.
Miscellaneous	Problem-solving, Research, Collaboration, GIT, GITHUB, Postman.

Languages ---

English	Full Professional Proficiency
Nepali	Native Proficiency
Hindi	Professional Working Proficiency