

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

Knn Regression Tool

Mar 2025

- A web-based regression tool using K-Nearest Neighbors algorithm with dynamic K-value
- CSV upload and parsing, dynamic input field generation
- Technologies: Next.js, React, Typescript , Tailwind 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