

# 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

### Algorithm Visualizer

Jul 2023

- Sorting Algorithm Visualizer using Vanilla JavaScript
- Implemented 5 sorting algorithms

### .NET Boot camp

Jun 2024

- Made a website about f1 Pilots Information Panel using .NET MVC Entity Framework
- Learned both DB first and Code first approach.

### Portfolio

Nov 2024

- Command Line Themed Portfolio using Next.js and Vercel Hosting.
- React hooks and Components used for actual Implementation.
- Implemented Hidden Easter Commands on Website.

### URL Shortener

Dec 2024

- Made a URL shortening website using UUID alternative called nanoid.
- Node.js for Backend.
- MVC Architecture.

### Chat Application

Jan 2025

- Building a real-time messaging platform using Web Socket.
- AI Invocation feature inside chats similar to slack using tags

## Open Source Contributions

### Seal Notes

Dec 2024

- Solved Two Issue with Enter Key not working on Password Decryption and Creation.

## Skills

### Languages

JavaScript, Python, C, C++, SQL, C#.

### 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