

Sushan Manandhar

Web Developer

Enthusiastic web developer with a focus on frontend development, eager to contribute to a collaborative team that values innovation, continuous improvement, and customer satisfaction.

✉ manasush@isu.edu

☎ +1 - 208-317-7034

🌐 sushanmanandhar.com

🌐 [Sushan Manandhar](#)

🔄 [manasush](#)

Education

Idaho State University

Bachelors of Science in **Computer Science**

📍 Pocatello, ID 2018 - 2023

Capital College And Research Center

High School in **Computer Science**

📍 Kathmandu, Nepal 2016-2017

Technical Skills

Proficient Languages & Frameworks

HTML CSS JavaScript TypeScript

React Angular C# Java

Node.js ExpressJS MongoDB Prisma

Chakra UI Bootstrap MySQL

Knowledgeable Languages & Frameworks

PHP Bash C/C++ Django Jest

SQL .Net Spring Boot Symfony

Tailwind Material UI Svelte

Tools

Git Linux Figma Docker Postman

Heroku

Certifications

Full Stack Software Developer Assessment | IBM | Coursera

Python for Data Science, AI & Development | IBM | Coursera

Developing Front-End Apps with React | IBM | Coursera

Volunteer Experience

NSA Nepalese Night 2023

Photographer Feb 2023

JSA Japanese Night 2023

Photographer April 2023

NSA Nepalese Night 2019

Photographer Feb 2019

Languages

English

Nepali

Hindi

Professional Experience

Undergraduate Teaching Assistant

Internship

📍 Pocatello, Idaho

Aug 2021 - May 2022

Moodle Microsoft Word PowerPoint

- Assisted in classroom management, including organizing materials, setting up equipment, and addressing student questions and concerns in an entry-level computer science class.
- Provided academic support by conducting help sessions, assisting with programming assignments, and offering constructive feedback to students, contributing to their learning and success.

Academic Projects

Capstone Project: ARM 360 Emulator

Jan 2023 May 2023

C++ Qt Assembly Java SceneBuilder Github

- Collaborated with colleagues to develop a C++ based Assembly Language Simulator.
- Designed and implemented real-time Computation features using C++ and Qt.
- Implemented the Java/Scene Builder based Assembly Simulator to C++/Qt based Assembly Simulator.

Shortest Path Calculator

April 2021

Python Graph UI XML

- Implemented Dijkstra's algorithm efficiently to find the shortest paths in a graph.
- Developed two versions of a priority queue class: one using an unsorted array and the other using a heap, with optimized time complexities for insert, delete-min, and decrease-key operations.
- Utilized a binary heap implementation with a separate array/map for fast access to arbitrary nodes, maintaining $O(\log|V|)$ time complexity for all operations.

✧ Personal Projects

Windows Shortcut Key Search Bar

May 2023

HTML CSS JS

- Designed and developed the Search Bar that shows the shortcut key to Windows
- Implemented Auto Complete Feature

Web Based Calculator

May 2023

HTML CSS JS MySQL

- Designed and developed the Web-Based Calculator
- Implemented Yearly Wage to Hourly Wage Conversion Calculator

FIGS APP

December 2022

Android Studio Kotlin Firebase

- Designed and Implemented Mobile Based Chatting App for students to connect with classmates
- Implemented the Back-end using FireBase

Web-Based Tic-Tac-Toe App

May 2023

HTML CSS JavaScript

- Designed and Implemented Tic-Tac-Toe Game
- Implemented the Back-end using JavaScript