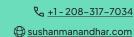
# Sushan Manandhar

# 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

in Sushan Manandhar

manasush manasush

#### **Education**

#### Idaho State University

Bachelors of Science in Computer Science

O Pocatello, ID 2018 - 2023

#### Capital College And Research Center

High School in Computer Science

O 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, Al & 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

## **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