

# Shreyash Hamal

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## Education

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### University Of San Francisco

*B.S. In Computer Science*

## Experience

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### Mango Software Solutions

*Junior Web Developer Intern*

Kathmandu, Nepal  
June 2023 - August 2023

- Designed and developed responsive websites using WordPress.
- Collaborated with a team of 5 to build themes, design UI, manage CMS, and engage with clients.
- Utilized HTML, CSS, and JavaScript for front-end development.

### UN World Food Programme

*Volunteer Assistant*

Kathmandu, Nepal  
October 2020 - November 2020

- Assisted the IT department with data management of stock databases during the Covid-19 pandemic.
- Provided tech support for remote staff.

## Projects

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### Web Crawler

*Go, SQL*

- Developed a web crawler with concurrency in Go
- Efficiently download and parse data from websites to populate databases

### Creatorverse

*HTML, CSS, JSXLM, React, Node, Supabase, Picosso*

- Developed a React-based web application implementing CRUD operations for content creators.
- Utilized async/await design pattern with Axios for API calls.
- Designed dynamic routing for unique content creator detail pages.

### Pipelined Processor

*Digital Design*

- Designed and implemented a multi-stage pipeline architecture to improve processing efficiency and instruction throughput.
- Utilized fundamental logic gate to construct control units, ALU, and memory management components.

### RISC V Emulator

*C, Assembly*

- Emulates RISC-V Instructions: Supports a subset of RISC-V instructions.
- Basic CPU Functionality: Implements CPU operations and memory management.

### Pong game

*C++*

- Developed a classic pong game
- Implemented concepts like rendering, game physics, and input handling.

## Skills

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HTML, CSS, Javascript, Node, Express, MongoDB, jQuery, SQL, C, C++, GO