

Shreyash Hamal

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Education

University Of San Francisco

B.S. In Computer Science

Experience

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

Web Crawler

Go, SQL

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

Cretoverse

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

Reactjs, HTML, CSS, Javascript, Node, Express, MongoDB, C, C++