Shreyash Hamal

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Education

University Of San Francisco
B.S. In Computer Science

Experience

Mango Software Solutions
Kathmandu, Nepal

Junior Web Developer Intern   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
Kathmandu, Nepal

Volunteer Assistant   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

Portfolio Website 2.0
HTML, CSS, Javascript, jQuery, Node.js, Express.js, MongoDB
- Developed a responsive and interactive front-end.
- Implemented Node.js and Express.js to handle server-side logic and API requests.
- Designed and managed a MongoDB database to store and retrieve project data

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

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