

# NISCHAL SHRESTHA

## CONTACT

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## EDUCATION

**TRUMAN STATE UNIVERSITY KIRKSVILLE, MO**  
Bachelors of Science in Computer Science  
GPA - 3.71 / 4.00  
Graduation - December 2018

## EXPERIENCE

### TRUMAN STATE UNIVERSITY

Center for Student Involvement, Web Development Specialist

Kirksville, MO

May 2017 to Present

- Revamp and maintain all the CSI and Student Union websites layout and user interfaces through WordPress, HTML, CSS, and JavaScript.
- Collaborate with Outreach team to transform the website experience through innovative design, content, and functionality.
- Perform cross-browser testing and W3C validation on websites to ensure information is easily accessible to users.
- Build a dashboard and portal that allows the CSI employee to interact with department data and track project progress.

Information Technology Services, Student Technician

April 2015 to Present

- Provide professional IT support and customer service to more than 5000 students and 400 faculties of the university.
- Troubleshoot a range of software, hardware and connectivity issues to provide an optimal customer service experience.
- Closed 75% of trouble tickets on the first call without escalation according to the last year report.
- Train new employees and assist users within a Multi-Media lab specializing in editing software like Adobe Suite, iMovie, Indesign, and Final Cut Studio.

### CODE FOR NEPAL

Freelance Web Developer Intern

Arlington, VA

February 2017 to Present

- Design and code visually appealing websites from layout to function, according to specifications using HTML, CSS, JavaScript, and GitHub for better user interface.
- Develop websites and tools that help analyze the data and trends to increase the digital literacy of Nepal emphasizing on performance, accessibility (AA) and SEO standards.

### NAMASTE NEPAL

Website Administrator

Kirksville, MO

August 2016 to July 2017

- Replatformed and maintained Namaste Nepal's website and application, including content update and account administration.
- Debugged and performed regular upgrades to ensure web security and system usability.
- Designed marketing and media materials like posters, logos, tickets and presentation for biannual activities and events.

## PROJECTS

### DOWNLOAD ACCELERATOR

March 2016 to April 2016

- Built a tool in Java that helps manage and increase the download speed using dynamic file segmentation.
- Ensured the connection is fully utilized by using transmission control protocol and multi downloading threads.

### HIGH AVAILABILITY CLUSTER

February 2018 to March 2018

- Designed a simple application layer protocol over UDP in Java to facilitate High Availability Cluster (HAC).
- Implemented a set of mechanism to detect failovers, network/node failures, in order to re-route the traffic to the available systems in both Peer to Peer and Client-Server network.

## SKILLS

### LANGUAGES SOFTWARE COURSES

C++, Python, Java, C, HTML5, JavaScript, CSS  
Illustrator, GitHub, Photoshop, Lightroom, OTRS, WordPress, Canva  
Data Structures and Algorithm Analysis , Object Oriented Programming in Java,  
Cryptography and Network Security, Internet Programming,  
Computer Architecture and Organization, Systems Programming