

Aastha Pokhrel

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EDUCATION

Truman State University

Dec 2021

Bachelor of Science in Computer Science

EXPERIENCE

Truman State University

Data Entry Operator, ID Office

Aug 2019 – Present

- Communicated with incoming freshman, and staff members to create their IDs using the ID Center software
- Trained 5 new student workers to handle administrative tasks and use the software in the office
- Organized, verified and backed up input data of students, professors, and staff members using Excel

Center for Academic Excellence Representative

Jan 2019 – Present

- Performed administrative support tasks such as handling calls, receiving and directing students
- Scheduled appointments, filed and retained the records of freshman and transfer students

International Ambassador, Center for International Students

Aug 2018 – Dec 2018

- Represented Truman State University while recruiting international students for college enrollment
- Collaborated closely with the International Office to ensure a smooth transition for international students
- Assisted the international students in making academic, personal, social, and environmental adjustments to the campus and community life

PROJECTS

Squirrel Detection Tool

Jan 2020 – May 2020

- Developed a deep learning algorithm in Python with 98% accuracy to perform squirrel image classification
- Utilized a 2D convolutional neural network model using Tensor flow and Keras library

Public Key Encryption using RSA

Oct 2020 – Nov 2020

- Designed a chat program using the RSA public key and private key to encrypt and decrypt data of users
- Gathered data on computation time using different key sizes, and time required for data to reach users

Directory-synced Tool

Jan 2018 – May 2018

- Built a directory synced tool in Java to copy contents of one folder from one computer to another using TCP
- Performed Junit testing to create a more reliable, readable and bug-free code

Dynamic Webpage

Jan 2020 – May 2020

- Created a dynamic webpage for Alpha Sigma Gamma using HTML, CSS, JavaScript, and PHP
- Implemented database to store and display information of users using MySQL

TECHNICAL SKILLS

- Proficient working with programming languages such as Java, C, C++, Ada, LaTeX, MIPS
- Competent in web development languages like HTML5, CSS3, JavaScript, PHP, WordPress, React, and AJAX
- Capable of analyzing data with in-class experience of database software such as MySQL, and MongoDB
- Experienced with Linux, MacOS and Windows Operating System

ORGANIZATIONS/ LEADERSHIP

Truman State University

President, Vice President, Namaste Nepal

May 2018 – May 2020

- Managed fundraisers during Covid-19 to help students in financial need
- Delegated tasks to the officers of the board as necessary, and maintained contact with advisor and alumni
- Promoted Nepali culture by developing strategies and organizing 2-3 cultural events per semester

Alpha Sigma Gamma

Jan 2018 – Present

- Actively involved in serving the Kirksville community by completing 25 hours of service every semester
- Raised \$1,000 - \$2,000 per semester to support philanthropies like YMCA, White Rose, and Bright Pink