# DIKSHANT PRADHAN

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## EXPERIENCE

### Research Assistant

**Dr.Ritwik Bose**

📅 Nov 2020 – Present    📍 Knox College

- Analyzed use of structural similarity measures (eg SMatch) for graphical semantic structures (eg AMR, TRIPS)
- Used knowledge to judge/improve on existing systems for NLP

### Web Design Intern

**Grafias Web Design Firm**

📅 October 2017 – November 2017    📍 Nepal

- Worked as a team to complete web design tasks
- Communicated with client to make realistic goals for design
- Used HTML, CSS and Photoshop to match clients needs

### Volunteered Tutoring for Students on Campus

**Knox College**

📅 Sept2020-present

- CS 142 - Applied Data Structures as well as general assistance with a variety of languages (eg: Ruby, Clojure, C)

## PROJECTS

### Russian Troll Tweet Analyzer

**Ruby | Text processing**

📅 Oct 2019-Nov 2019

- Developed a program to identify troll tweets during 2016 elections that looks for patterns in the tweets such as most commonly used words or date/time published.

### Narrative Chains

**Python | Text processing | Cloze test**

📅 Nov 2020- Dec 2020

- Designed a system that would train off of a CSV file to predict the outcome of narrative chains. Using this system, compared predicted dataset against gold data to get precision and recall of system.

### Macro Program for AutoHotKey Scripts

**Java | GUI**

- Developed a program that would generate AutoHotKey scripts based on users needs. Implemented GUI so that user could easily select scripts based on their needs.

### 2D Arcade Shooter

**Unity|Agile**

📅 Jan 2021- Feb 2021

- Developed a top-down 2D shooter game in an agile setting working with teammates in sprints.

## SKILLS

Java  Python  Ruby  Clojure  HTML  CSS  Git  C #  Agile  C

## EDUCATION

### Bachelor of Science in Computer Science

**Knox College | Galesburg, IL**

📅 Expected 2023

Cum. GPA = 3.75/4.0

## COURSEWORK

- Artificial Intelligence
- Natural Language Processing
- Applied Data Structures
- Discrete Maths