

# NISCHAL NEUPANE

## Software Engineering Assistant

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## EXPERIENCE

### Software Engineering Assistant

#### DEMCON Convergence

[Feb 2022 – Ongoing](#)    [Enschede, Netherlands](#)

- Developed software for embedded systems in microfluidics using QML, C++, and JavaScript
- Created unit tests to ensure a seamless and intuitive user experience

### Junior Data Scientist

#### The Buckle Inc.

[Aug 2020 – Jun 2021](#)    [Omaha, Nebraska, USA](#)

- Implemented a pre-trained "word2vec" machine learning model for product recommendations and for big data integration within the checkout system
- Performed A/B testing on the recommendations generated by the implemented models

### Software Developer Intern

#### WeCare Insurance

[Aug 2020 – May 2021](#)    [Omaha, Nebraska, USA](#)

- Scraped insurance policy data from HTML forms using Java and Selenium
- Stored parsed data in a SQL database and relayed it to other clients asynchronously

## PROJECT

### LoTRO Data Extractor

- Developed a character tracking system for the MMORPG game "Lord of the Rings Online" using Python and Pymem library
- Asynchronous syncing of the game data with database and discord bot creating a seamless user experience
- Reversed engineered the game client using HexRays IDA and HexEdit to retrieve memory pointers containing useful data

### Cubic Bot

- Developed a Discord bot written in Java using Maven framework that integrates with the internal servers of the game Cubic Castles to provide real-time information about the game, such as crafting and item searching
- Utilized API calls and parse the response data to provide accurate and up-to-date information to the users
- Deployed the bot on a cloud server to ensure seamless performance and accessibility to users

## ABOUT ME

A results-driven computer science professional proficient in Java, C++, Python, and machine learning. I have a strong track record of working on complex projects, collaborating with teams, and delivering high-quality results. I am always eager to learn and expand my skill set.

## STRENGTHS

- Hard-working
- Collaboration
- Team Player
- Problem Solver
- Logical & Strategic Thinker

## LANGUAGES

English    ●●●●●●  
Nepali    ●●●●●●  
Hindi    ●●●●●●  
Spanish    ●●●●●●

## PROGRAMMING

Python    ●●●●●●  
Java    ●●●●●●  
ReactJS    ●●●●●●  
TypeScript    ●●●●●●  
SQL    ●●●●●●  
C, C++, C#    ●●●●●●

Git    ●●●●●●  
Docker    ●●●●●●  
Jenkins    ●●●●●●  
AWS/GCS    ●●●●●●

## EDUCATION

M.Sc. in Data Science  
(CGPA 8.0)

#### University of Twente, Enschede, NL

[Aug 2021 – Ongoing \(Expected: 2023\)](#)

B.Sc. in Computer Science  
B.Sc. in Mathematics  
(CGPA 9.4)

#### University of Nebraska-Lincoln, Lincoln, NE, USA

[Aug 2017 – May 2021](#)