






# 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
- Explored clustering and regression algorithms 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