

Niskarsha Ghimire

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Summary

Good hands-on knowledge of Source Code Management (Version Control System) tools like Git and Subversion. Proficient in developing Continuous Integration/ Delivery pipelines. Experience with automation/ integration tools like Jenkins. Knowledge of major cloud service providers like AWS. Hands-on knowledge of software containerization platforms like Docker and container orchestration tools like Kubernetes and Docker Swarm.

Committed to research in Machine learning, Cybersecurity, and published several research papers concentrating on the COVID situation in Nepal and Cybersecurity.

Education

Kantipur Engineering College | Dhapakhel, Lalitpur
Bachelors in Computer Engineering | 10/2019

United Academy | Kumaripati, Lalitpur
High School | 05/2015

Technical Skills

AWS, Kubernetes, Terraform, Ansible, Docker, CI/CD, Jenkins

Projects

Book Review Classification Using Sentiment Analysis: Classifying book reviews as positive or negative using the tools of NLP.

Mini OCR: OCR that could identify English Handwritten Digits/Texts.

Finger Print Based Voting System: A computer based program designed for electronic voting machine that could verify the user using their biometrics (fingerprint) and cast a vote.

Simple Rock-Paper-Scissor Game: A rock paper scissor game built with vanilla Javascript with a touch of movement and animation by creating small functions to abstract our code based on what it does.

<https://github.com/Niskarsha007/Simple-Rock-Paper-Scissor-Game>

Jscript Calculator: A calculator that covers all the complex interactions with UI and JavaScript while still being simple enough for people of any skill level.

<https://github.com/Niskarsha007/Simple-Jscript-Calculator>

Work Experience

DevOps Trainee (Berrybytes)

January 2022 - Present

- Maintained git workflows for version control (Source Code Management)
- Worked on a click house project, managed billions of data using Apache-Kafka cluster
- Worked on a Merojob project to migrate their monolithic application architecture to new traditional microservice architecture

Data Analyst (PKG Traders)

October 2020 - March 2021

- Assist in development and maintenance of data collection and analytic tools; including databases related systems like SQL
- Contribute to problem solving process design efforts
- Use multivariate statistical analysis techniques to analyze data produce preliminary reports

Web Developer (Axios Softwork Pvt. Ltd.)

December 2019 - October 2020

- Developed responsive web pages using HTML and CSS
- Manipulating the DOM elements using Javascript Implementation of web prototypes and application

Courses and Certification

- Databases and SQL for DataScience with Python
- Computer Hardware, Computer Network, Multimedia, HTML and MS FrontPage XP certification

Publications

Features, evaluation and treatment of covid-19 infected patient: A case study in 31 hospitals in Nepal (Published: International Journal of Multidisciplinary Research and Development)
03/2020 - 07/2020

Technical and Economic Analysis of Site Implementations of Gravitational Water Vortex Power Plant (Published: IEEE International Conference on Intelligent Systems, Smart and Green Technologies)
08/2020 - 11/2020

Advantages of Machine Learning in networking- monitoring systems to size Network appliances and identify incongruences in Data Networks (Accepted for Publication : IEEE Chilecon 2021)
04/2021 - 02/2022

An empirical evaluation of Machine Learning for hardening security devices in Data Networks
05/2021 - 03/2022

Languages

English, Hindi, Nepali