
Prajwal Kumar Ale

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Professional Profile

A passionate and ambitious graduate with a Master of Information Technology from Charles Sturt University. I'm looking for a graduate software developer role. I'm a keen software developer with experience in HTML, CSS, Javascript (React), and python programming. Strong grasp of software design and development, database, cloud technology, computer network, and cybersecurity concepts.

Education

Master of Information Technology (CyberSecurity)

Mar 2020 - Oct 2021

Charles Sturt University, Melbourne Study Center

Key Subjects: Professional Programming Practice, Database, Cloud Computing, Information Security, Project Management

Bachelors in Computer Engineering

Nov 2014 - Aug 2018

National College of Engineering, Lalitpur Nepal

Key Subjects: Software Engineering, Computer Network, Data Structure and Algorithm, System Analysis, Data Mining

AWS Certified Cloud Practitioner Certification (CLF-C01)

Expires: April 2025

Issued on: 6 April 2022

[View Credential](#)

Outcome: Understanding of cloud concept, AWS security and compliance, AWS core services, and billing and pricing

Experience

Web Developer

July 2022 - Present

Sharp Circles, Melbourne, Internship

- Research on usability and accessibility-focused website design
- Designing and developing websites using WordPress
- Optimising website for performance and search engines
- Involving in team meetings and regular communication with the mentor

Software Engineer

Feb 2019 - Feb 2020

Yarsha Technologies, Lalitpur Nepal

- Image dataset labeling using Labelbox to improve ML classifier model
- Implemented a web scraper tool to fetch data using Scrapy library
- Developed and maintained databases for and API endpoints for a custom dataset
- Collaborated in a team to find an optimal solution to the client's requirement
- Followed agile software development methodology

Software Developer

Nov 2018 - Jan 2019

EEPOSIT Holdings Nepal, Kathmandu Nepal, Internship

- Developed a chatbot using Dialogflow to automate user's common queries and receive user's information
- Implemented API for common chatbot responses using flask framework and deployed in Google App Engine

Projects

DDoS attack Detection using Deep Learning Technique

[View Source Code](#)

A quantitative evaluation of a deep learning based intrusion detection system for DDoS attack. This project utilized an opensource dataset on DDoS attacks called CICDDoS2019. It was successful to classify at attack and non-attack with 80.2% accuracy for multi-classification (7 Classes) and 99% on binary classification.

Face Detection App

[View Source Code](#)

A computer vision based application that can detect faces on a live feed video. It utilises prebuilt light weigh face detection model called haarcascade.

PizzaBot

[View Source Code](#)

A chatbot that helps to take online orders from a customer. Its objective was to automate drive-thru customer service. It was built using the google Dialogflow tool that utilised backend webhook written in python programming language.

Head Cropping Tool

[View Source Code](#) [View Demo](#)

A computer vision based tool that automatically crops head from an image.

Key Knowledge

- Web Development: HTML, CSS, JavaScript, React, XML, JSON, WordPress CMS
- Computer Programming: Python (Flask framework), SQL (MySQL)
- Search Engine Optimisation SEO
- Version control with git and Github
- Linux and Windows based OS
- Good grasp on software development life cycle practices
- Knowledge of Agile project management practices
- Knowledge of Computer Networking, Data Science, and Cybersecurity concepts

Personal Attributes

- Continuous learning and improvement
- Responsibility and Punctuality
- Demonstrated flexibility in my work role as required
- Persistence
- Team Player
- Time Management and Organisational skills

References

Available upon request