

Binaya Sharma

Software Engineer

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WORK EXPERIENCE

Software Engineer

Leapfrog Technology Inc.

10/2019 - 10/2021

Kathmandu, Nepal

Achievements/Tasks

- Develop and maintain APIs using back-end frameworks such as Micronaut, Django.
- Create reusable web components using JS, HTML, and CSS according to company standards.
- Collaborate with clients and end-users to collect requirements and provide implementation/demos.
- Design and develop database entities (tables, views, triggers, stored procedures, indexes, sequences).
- Improve the performance of ETL/SQL processes, APIs, and web components to ensure timely response and data reliability.
- Conduct KSS (Knowledge Sharing Sessions).

BI Intern

LIS Nepal

05/2019 - 08/2019

Lalitpur, Nepal

Achievements/Tasks

- Understand the ETL process being used for a chain retail company.
- Write Python and SQL scripts to carry out ETL processes.
- Generate BI reports using MicroStrategy.

PERSONAL PROJECTS

AI Chess (11/2019) [🔗](#)

- Implemented rules of Chess using vanilla JavaScript.
- Two playing modes - Single player with bot and 2 players.
- Used Depth First Search with Alpha-Beta pruning to calculate best move for bot.

Handwritten Digit Classifier (02/2019) [🔗](#)

- Trained an SVM model to classify handwritten digits.
- Used MNIST handwritten digit dataset.

Pustak (05/2018) [🔗](#)

- Mobile app for buying and selling second hand books.
- Bookstores can also register their stores to the app.
- Users can search for registered bookstores on the in-built map and they have the option to sort the bookstores based on the nearest location.

EDUCATION

Bachelors in Computer Engineering

Kathmandu Engineering College, Tribhuvan University

10/2016 - 09/2019

78.93%

SKILLS

Java

Python

JavaScript

HTML

CSS

Oracle

MySQL

PostgreSQL

Firebase

AWS

Docker

Git

PAPERS PRESENTED

Virtual Self Driving Car (11/2019)

Developed a neural network model to predict the movement of a vehicle in CARLA simulator using only image sensors.

ADDITIONAL COURSES

What is Data Science (04/2019)

Coursera

30 Days of ML (08/2021)

Kaggle

TEACHING EXPERIENCE

Code in Place 2021 (04/2021 - 05/2021)

Section Leader

Leapfrog 31st batch internship (06/2021)

Mentor

EXTRACURRICULAR/HOBBIES

Hiking

Cycling

Soccer

Guitar

Gym