Binaya Sharma
Software Engineer

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WORK EXPERIENCE

Big Data Developer
Ultra Tendency

03/2022 - 01/2023   *Magdeburg, Germany*

Achievements/Tasks
- Develop and maintain big data pipeline using Apache Kafka, HBase and Kubernetes.
- Manage micro-services using Java Spring Boot.
- Fix bugs and improve the overall reliability of the system.

Software Engineer
Leapfrog Technology Inc.

10/2019 - 11/2021   *Kathmandu, Nepal*

Achievements/Tasks
- Develop and maintain APIs using back-end frameworks such as Micronaut, Django.
- Create reusable web components using JavaScript, HTML, and CSS.
- 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.
- Conduct KSS (Knowledge Sharing Sessions).

Business Intelligence Intern
LIS Nepal

05/2019 - 08/2019   *Lalitpur, Nepal*

Achievements/Tasks
- Write Python scripts and SQL queries for ETL processes.
- Understand the ETL process being used for a chain retail company.
- Generate BI reports using Microstrategy.

EDUCATION

Masters in Computer Science
University of New Haven

01/2023 - Present   *Connecticut, USA*

Bachelors in Computer Engineering
Kathmandu Engineering College, Tribhuvan University

10/2015 - 09/2019   *Kathmandu, Nepal*

SKILLS

Java Python JavaScript Scala SQL Firebase HBase Kafka Spark Spring Boot Kubernetes AWS Docker Git

TECHNICAL PAPERS

Predicting vehicle's movement using CNN in Carla Simulator (11/2019) ↗
https://repo.ijiert.org/index.php/ijiert/article/view/3111

PERSONAL PROJECTS

AI Chess (11/2019) ↗
- Implemented rules of Chess using vanilla JavaScript.
- Used Alpha-Beta pruning to calculate best move for bot.

Pustak (05/2018) ↗
- Mobile app for buying and selling second hand books.

VOLUNTEERING

Section Leader for Code in Place 2021 (04/2021 - 05/2021)

Mentored Leapfrog 31st batch internship (06/2021)