**Binod Shrestha**

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**Software Developer**

**Highlights of Qualifications**

* Completed second year as coop student with cumulative GPA 3.55 in the Software Development and Network Administration at Sheridan College
* Solid foundation on: Java, Python (Basic), C#, ASP.NET, DBMS, RDBMS, Angular, JavaScript (ES6), JDBC, etc.
* Proficient in writing code, testing, debugging, modifying existing software programs and documentation.
* Create, store, update and extract database
* Proficient knowledge on OOP concepts, MVC, RDBMS, Project Management, System Analysis
* Intermediate knowledge on version control – GitHub and Bitbucket
* Quickly learn and master new technologies
  + Attention to Details, problem solver, Multi-tasking, self-directed, vigilant, analytical, and proactive
  + Collaborative with teams to identify root cause of issues and resolve issues on stipulated deadline
  + Fluent in communication both verbally and written in English

**Technical Skills**

**Programming Languages**:

Java, C#, Python (Basic), Shell Scripting, MySQL, Oracle Database Management, PHP, JavaScript

**Software**:

SQL Server Management Studio, Oracle SQL Developer, Visual Studio, Visual Studio Code, Eclipse, NetBeans

**Database**:

Microsoft (MS) SQL, MySQL, Oracle, JDBC, PL/SQL

**Web Technology**:

HTML5, JavaScript, J2EE(Servlets), J2E Servers, Sprint, Hibernate, Maven, MVC, Entity Framework

**Education**

**Computer System Technology - Software Development and Network Engineering**

Advanced Diploma

Sheridan College, Brampton, ON JAN 2018 — 2021 AUG

**Relevant Competencies**

* Follow, monitor, and document data storage procedures designed to ensure the integrity of information
* Analyze and resolve information technology problems through the application of systematic approaches and

diagnostic tools

* Participate in the deployment and administration of databases within a networked environment

**Master’s in Arts** 2009

English Literature

Tribhuvan University, Nepal

**Work History**

**Amcor Rigid Plastic, Bulk Operator** 2017

* + Operated machine without any issues, delays and damages in the production during my tenure

**Hetauda Academy Higher Secondary Residential School, Principal** 2016

* + Administered school, increased the students’ number by 60% and achieved historic academic

results within the district in 2015 and 2016

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**Relevant Project Work:**

**Project**: **Database for Automobile Showroom**

**Description**: This was an individual project developed for DBMS

**Action Steps**:

* Created insertion scripts to create several tables with different types of constraints (Primary key, foreign key, check etc.) at both column and table level
* Normalized tables to avoid redundancy of data
* Applied different type relationships (ternary, binary) between entities based on application
* Manipulated the data and displayed the required queries using joins.
* Set permission on the tables using views to regulate the accessibility of data.
* Used cursors, procedure, functions with exception prompting users to search for specific data from the database table and throw exception (built-in and user defined) if search fails

**Project**: **Database for online Commercial Webpage about movies and discussion forum.**

**Description**: A team of 5 students did a project on creating a database system for an online shopping webpage.

**Action Steps**:

* Designed several tables with different types of constraints (Primary key, foreign key, check etc.) at column and table level
* Created collection and insertion scripts
* Applied normalization to avoid redundancy of data in the table
* Applied different type relationships (ternary, binary) between entities based on application’s requirement
* Used mongo DB for the project as well
* Drew EER diagram (Conceptual Model), Data structure Diagram (Relational Model) of tables to show different types of relationship between tables using visual paradigm and draw.io

**Relevant Completed Courses:**

* RDBMS and DBMS
* ASP.NET and C#
* Project Management
* MongoDB, JSON
* Data Structure and Algorithm
* OOP-Java, C#, Python

**Community Involvement:**

**Member**

Code Syndicate of Sheridan (CSS)

Sheridan College, Davis Campus 2018-present

**Member**

Women in science and technology

Sheridan College, Davis Campus 2018 - present

**Member**

CIPS 2018 - present

Ontario, Canada

*References available upon request.*

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