**Pragya Pokhrel**

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**QUALIFICATIONS SUMMARY**

* Software Developer and Tech expert with over one year of industry experience in designing, programming, testing, deploying and maintaining data intensive, object-oriented, stand alone and web applications
* Excellent VB, VBA, C#, .Net, SQL, Tableau, Excel, Statistics

**TECHNICAL SKILLS AND TECHNOLOGIES**

C#, Visual Basic (VB), VBA, HTML, JavaScript, CSS, XML, ASP.NET, ADO.NET, ASP, Microsoft .NET Framework v2.0, 3, 3.5, 4

MS Access, MS SQL Server (transact-SQL), MySQL, SSRS, MS SSIS ETL

Visual Studio 2005, 2008, 2010, 2012 and 2017, SQL Server Management Studio, Visual Studio Online, Tortoise SVN, TFS, GitHub, Tableau

**EXPERIENCES**

**Software Developer, Qualtek Services, 2018 October- Present**

* Responsible for adding new features and maintain the software that the company uses.
* Interact with Team and Analysis, Design and Develop database using ER Diagram, Normalization and relational Database concept.
* Create new tables, write stored procedures, triggers for Application Developers and some user defined functions. Created SQL scripts for assigning roles.
* Used joins and sub-Queries to simplify complex queries involving multiple tables and optimized the procedures and triggers to be used in production.
* Developed User defined functions and created views.
* Tuned and optimized SQL Queries using Execution plan and profiler.

**Graduate Assistant, Lamar University, 2017-2018**

● Research article materials, presentations and assist in project proposals on Gifted

Education

● Prepare purchase requisitions and verify vendor invoices

● Assisted in RFP from Texas Workforce Commission for a budget of $100,000 (Texas

Governors School-2018, Lamar University)

● Assisted Program Director in STEM based residential summer camp TGS 2018,

Educational Research Conference and Duke TIP at Lamar University in 2018

● Volunteer Teacher for Pre-calculus and Engineering in STEM based summer camp at

Lamar University

**Full Stack Developer DEM Consultant, Nepal, 2014-2016**

* Worked on ASP.NET MVC with SQL Server-2014, also used Tortoise SVN
* Designed databases, tables, views, indexes, stored procedures, user defined functions, relational database models pertaining to the user requirements
* Used ASP.NET MVC 5 with SQL database to create application for student registration who came to attend 10 days Vipassana Meditation course.
* Interacted with Team and Analysis, Design and Develop database using ER Diagram, Normalization and relational Database concept.
* Created new tables, written stored procedures, triggers for Application Developers and some user defined functions. Created SQL scripts for tuning and scheduling.
* Used joins and sub-Queries to simplify complex queries involving multiple tables and optimized the procedures and triggers to be used in production.
* Developed User defined functions and created views.
* Tuned and optimized SQL Queries using Execution plan and profiler.
* Rebuilding Indexes and Tables as part of Performance Tuning Exercise.
* Prepared detailed statistical reports in tableau to track progress of weekly, monthly and quarterly customers and sales growth.
* Reviewed existing business procedures and recommended and implemented changes.
* Involved in performing data conversions from flat files into a normalization database structure.

**Coursework Project Experiences:**

**Digital Filter Design (**MATLAB)

Description: Digital bandpass filter designed using MATLAB with implementation of Signal-Flow graph and Second-order Sections (SOS).

Responsible for making proposal, writing, and testing the code.

**Robot Manipulator Design (**MATLAB and Simulink**)**

Description: 5-link Robot manipulator designed and tested using MATLAB functions and Simulink.

Responsible for writing the code, testing the code and documenting the work.

**Health Alert Device** (Using microprocessor - Arduino, Bluetooth, and electronic sensors)

Description: Analog values from sensors (heartbeat and temperature) were read by Arduino microcontroller and sent to Bluetooth module, HC-05. HC-05 sent the data to android phone.

**Heart Rate and Temperature Display** (Using 8051 microcontroller)

Description: Analog values from LM35 and piezoelectric sensors were read and displayed on LCD.

Responsible for analyzing the requirement, finding the right resource, designing the system

**Volunteering Experiences:**

* Southeast Texas Food Bank
* Lamar Rotary Club
* Society of Women Engineers

**EDUCATION**

**Lamar University**, Beaumont, TX May 2018

**Master of Engineering in Electrical Engineering**,

Coursework: Advance Software Tools, Digital Signal Processing (MATLAB), Introduction to Robotics (Simulink), VLSI Design (CAD Tool), Statistics

**Tribhuvan University**, Kathmandu, Nepal December 2014

**Bachelor in Electronics and Communication Engineering**

Coursework: C Programming, Object Oriented Programming, Filter Design, Digital Logic, Embedded System, Wireless Communication, Project Management, Computer Network.