**SURESH MAHATO 512-501-9409 sxmahato@gmail.com**

**SUMMARY**

* Highly motivated and progress driven individual waiting to utilize technical skills and resources for the achievement of organizational goal in the field of engineering.
* Demonstrate exceptional initiative and problem-solving capabilities in complex web design application.
* Formulate and execute progressive studies and analyses that deliver practical solutions to project requirements.
* Excel in leadership roles as well as independent/team member positions.
* Proven abilities in computer languages, data interpretation and wed design.
* Hands on experiences on HTML, CSS JavaScript, jQuery, API, AJAX and Node.js
* Authorized to work for any employer within United States.
* Fluent in Hindi and Nepali.

**STRENGTHS/ TECHNICAL SKILLS**

* HTML
* CSS
* Bootstrap
* Materialize
* JavaScript
* jQuery
* Ajax
* Json
* Mement.js
* API
* Restful API
* Node.js
* PHP
* SQL
* Reacts
* Laravel
* Python
* Handlebars
* Heroku
* Git/Git Hub

**PROFESSIONAL EXPERIENCE**

* **Project 1: My Daily Dash:**

This was our first group project where were created an app for user's daily activities.  
The purpose of this project was to give user an app for their routine management so that   
they can accomplish their daily goal on time.  
Another interesting fact about the project was to give user rewards points if they achieve their goal on time.

We used firebase database and google authentication for user's data management. Managing data on firebase and providing log in information to user's identity were the most challenging parts of this project.  
However, several hours of rigorous of work team members achieved these goals and we feel very proud of our teamwork.

* **Train Scheduler:**

This was another interesting project that I worked on to display the time schedule of any train system.  
I utilized JavaScript, jQuery and Moment.js to achieve this goal.  
Working with moment.js was another interesting fact that I learned during this project.  
Most Challenging part of this project was to set up time updates of the train schedule which i achieved with moment.js.

* **Gif Tastic:**

This was my best project and i feel so proud that I achieved this goal.  
Although, it was a bit challenging, i am happy to show that hard work let us accomplish our goal.

I used giphy API and Ajax call to achieve this goal.  
Getting the Json data and implementing it with my project with associated key were very difficult to achieve.  
However, the knowledge that I gained during my course work at UT Austin coding Bootcamp help to attain those goal.

**Agilent Technologies, Cedar Creek, TX**

**11/2016- Present**

**Manufacturing Associate Scientist- Genomics and Diagnostics**

* Formulate and manufacture bulk materials and components for the Sure Select target enrichment and support kits as well perform the required testing of each reagent, primer, and buffer, using Bait captures, PCR, and sequence analysis.
* Work with team to coordinate the manufacture and testing of samples as delivered to meet time frame set by management.
* Assist and leverage scientific knowledge in troubleshooting of technical problems that may arise.
* Help maintain stocks of raw materials required.
* Answer technical questions about products.
* Work with team to ensure lean manufacturing principles are implemented and sustained.
* Work with team to help validate new equipment or processes as needed.
* Perform standard laboratory techniques including PCR, QPCR, processing samples for sequencing of DNA/RNA and analysis, DNA/RNA quantification, next generation sequencing, in situ hybridization assays, array testing, bulk buffer production and testing, or a combination of these skill sets.
* Assist in writing, maintenance and reviewing of ISO compliant work instructions (WI) and standard operating procedures (SOP) and other duties as assigned.

**Agilent Technologies, Cedar Creek, TX**

**06/2015- 11/2016**

**Manufacturing Associate Scientist- sureFISH**

* Co- ordinates with team to ensure the efficient production and quality control of life science products.
* Works on products for client's sureFISH Genomics line, including custom and catalog products for targeted gene enrichment for next-gene sequencing.
* Maintains Oligo Libraries and performs test to verify product quality.
* Reconstitutes, blends and aliquots Oligo Probes.
* Utilizes molecular biology laboratory procedure such as: PCR, qPCR, nucleic acid and protein isolation techniques to isolate contents from various sources.
* Provides technical supports on PAGE, gel electrophoresis, ligation and transformation of bacteria.
* Performs sureFISH and FFPE testing following Work Instructions (WI)/EBR guidelines.
* Images and analyzes cell/tissue using fluorescent microscope and analysis software.
* Packages final products and ships them for QC inspections.
* Generates MES/Hyperion, DTR, MMT, TVA, SAP and COOISPI reports.
* Records experimental data in a laboratory notebook, prepared summary reports of the experiment and submit to the manager.
* Contributes to new product development and manufacturing.
* Follows ISO compliant work instructions (WI) and assisted in writing, maintenance and reviewing of (WI) as needed.
* Updates and maintains lab notebooks in regards to outcomes of experiments, calculations, and observations.
* Supports in writing and development of computer programs that track reagent processing functions.
* Follows FDA/GMP guidelines and regulations.
* Trouble-shoots technical problems as needed and keeps track of preventive maintenance of biotech-equipment /machines.
* Assists in maintaining of lab supplies and inventory control.

**Texas State University - San Marcos, TX**

**01/2011–05/2013**

**Graduate Teaching Assistant**

* Instructed Modern Biology course and served as team leader of 51 lab sections.
* Coordinated lab equipment and managed supplies needed for experiments.
* Utilized lab notebooks to record and maintain data concerning experimental research including calculations.
* Taught experimental lab-classes each semester: educating students on aseptic technique, media handling, sample collection, and isolation and identification of microorganisms.
* Fielded questions from students and graded assignments.

**Wichita State University – Wichita, KS**

**01/2008–09/2009**

**Lab Assistant, Library Aide**

* Aided professor with botany research and computed data related to study of thistle plant.
* Compiled information and created framework of figures and graphs in preparation for research publication. Additionally, worked within library; using online catalog to search electronic journal databases for articles requested by other libraries.
* Delivered materials electronically; using Ariel and Odyssey software, by fax, and via mail.

**PROJECT HIGHLIGHTS**

* **Daily Dash:** Created first project along with other team member during UT Austin coding boot camp.
* **Train Time:** Designed train time repository for train schedule.
* **Gif Tactic:** worked on giphy API to create a and locate animal Gif.
* **Crystal Collector:** developed crystal collector game for boot camp assignment.

**EDUCATION, ADDITIONAL TRAINING & POSTER PRESENTATIONS**

MS – Biology, Texas State University, San Marcos, TX

BA – Biology, Wichita State University, Wichita, KS

BS – Microbiology, Tribhuvan University, Kathmandu, Nepal

* Texas State Hazardous Waste Training & Refresher – Texas State University, San Marcos, TX
* Attended National Conference – Nepal Association for Medical Laboratory Sciences, Kathmandu, Nepal
* Water Quality & Waterborne Diseases Symposium – Tri-Chandra College, Kathmandu, Nepal
* Presenter – Evaluation of the Patient Education Process within Small Practice Groups, Texas State University, College of Health Professions, San Marcos, TX
* Presenter – Imaging Kidney and Eyes from *Danio* *rerio* using Confocal LSM, Texas State University, Department of Biology, San Marcos, TX