ARJUN DHAKAL

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SKILLS INVENTORY

- Front-end skills HTML5, CSS, Bootstrap5, JavaScript & jQuery.
- Back-end skills Java, MySQL, SQL Server, Spring Boot, PHP Twig/Slim.
- Tools like GitHub/GitLab, Figma, Lucid chart, Trello.
- Microsoft office including Excel, Access, Word, PowerPoint, and VBA.
- Basic knowledge of Python programing (including Pandas, NumPy, Matplotlib, Tkinter)
- Strong mathematical and analytical skill to solve technical problems
- Professional experience on programing computerized optical measurement instrument, calibrations, and estimation of measurement uncertainty different measurement instruments for mass, force, pressure, volume, dimension, temperature, and humidity measurement based on internationally standard.

WORKING EXPERIENCE

Lab (Technician) Quality Planning   July 2018 - Present
Quality Control Department
Lisi Aerospace Canada,
2000 Place Transcanadienne Dorval, QC

Main Responsibility:
- Study customer specifications and prepare control plan for inspection of part (fasteners) produced. Perform FAI (first article inspection) of any new part produced.
- Conduct Gage R&R of measuring instruments.
- Develop and validate program of inspection of parts with computerized optical measuring instruments
- Design, develop and maintain applications basically with user interface on Microsoft Excel, database on Access. These applications typically automatically create forms for testing of parts produced with requirements from hundreds of different specifications, prepare reports, save test data to database, and have queries to access and update records on database.

Metrology Inspector (Metrologist)   September 2010 to May 2018

Nepal Bureau of Standards & Metrology (NBSM),

Kathmandu, Nepal

Main Responsibility:

As a metrologist at Scientific Metrology Section of NBSM, I had following responsibility.

- To perform calibration of different measuring instruments used for mass, force, pressure, volume, dimension, temperature, and humidity measurements.
- Perform all activities to ensure the compliance with ISO17025 requirements.
- Develop application or calculation programs for measurement and estimation of measurement uncertainties as per international standards for different measurement units.
- For continual improvement, prepare proposal and act for the revision of technical procedures, calculation programs and quality documentation.
- Provide input to top management regarding expansion of calibration scope and participate in different committees form by bureau.

As a Metrology Inspector, participate in market surveillance or other inspection activities to regulate Standard Weight & Measure Act and Rules of Nepal.

ACEDEMIC QUALIFICATION

M.Sc. in Physics – (72.2%, Passed with 1st division)

Tribhuwan University, Patan Multiple Campus, Lalitpur, Nepal

August 2006 to September 2008

B.Sc. in Physics, Chemistry, Mathematics – (65.6%, Passed with 1st division)

Tribhuvan University, Tri-Chandra Campus, Kathmandu, Nepal

August 2003 to July 2006

AWARDS

Best Employee Award of Nepal Bureau of Standards and Metrology (NBSM), September 2016