Umesh Thapa

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EDUCATION

Rheinischen Friedrich-Wilhelms-Universitat Bonn   Bonn, Germany
Masters of Science; GPA 2.5 (Best: 1.00, Worst: 5.00)   *October 2015 - June 2019*

Thesis: Parameter Identification of a Lumped Parameter Model with Echocardiographical data; Thesis grade 1.3

Relevant Coursework:

- Data Mining and Machine Learning Methods in bioinformatics, Bioinformatics, Computer Science for LSI Methods,

- Biomedical Databases, Molecular Modeling and Drug Design, Chemoinformatics

Pokhara University   kaski, Nepal
Bachelor of Pharmaceutical Science; GPA: 3.41/4.00 (Best:4.00, Worst:1.00)   *Aug 2009 - Jan 2014*

Thesis: Investigation of antioxidant and anti-inflammatory activity of roots of Rumex nepalensis

PRACTICAL EXPERIENCE

United Brand Marketing GmbH   Bonn, Germany
Student Assistant   *April 2018 - June 2019*

- **Data Collection and Data Analysis**: Data visulaization and asisting financial prediction for strategic marketing

kantipur College of Medical Sciences   Kathmandu, Nepal
Pharmacy Tutor   *Feb 2015- July 2015*

- **Instructor of Diploma Pharmacy Student**: Teaching mainly focused on Pharmaceutics and Clinical Diseases along with practical sessions

Pokhara University   Kaski, Nepal
Student Research Assistant   *August 2013*

- **Ethnomedical plant collection**: Investigation of antioxidant and anti-inflammatory activity of roots of Rumex nepalensis

PUBLICATION

Devkota, S.R., Paudel, K.R.,Sharma, K., Baral A., Chhetri, S.B.B., Parajuli, P., **Thapa, U.**, and Baral, K.P. (2015). Investigation of antioxidant and anti-inflammatory activity of roots of Rumex nepalensis. World Journal of Pharmacy and Pharmaceutical Sciences, 4(3), 582-594.

ADDITIONAL EXPERIENCE & ACHIEVEMENTS

One day free health camp   Kaski Nepal, Nepal
Program Organiser   *May 2013*

SKILLS

- **Computer Skills**:Adobe Photoshop and illustrator, web design

- **Programming Language**: Python, Machine learning, Tensorflow, Deep learning, Data mining, R

- **Libraries**: TensorFlow, Keras, Scikit-Learn, Numpy, Pandas, Jupyter

ONLINE COURSES

- **Coursera**:whole-genome sequencing of bacterial genomes - tools and applications

- **Edx**:Introduction to Statistical Methods for Gene Mapping, DNA Sequences: Alignments and Analysis, Python for Data Science

- **Udemy**:The Data Science Course 2019: Complete Data Science Bootcamp

- **Udemy**:Kaggle Masterclass - build a Data Science Portfolio