

# Yamuna Dhungana

Data analyst with strong statistic and engineering background. Eager to assist with predictive modeling, data processing, and data mining algorithms to solve challenging problems. Proficient in R, Python, SAAS and database management and visualization tools such as mysql, SQLite, Microsoft Excel, power BI and Tableau.



## EXPERIENCE

Feb 2017  
|  
Jan 2019

### Application Engineer

Web Trading Concern Pvt. Ltd

📍 Kathmandu, Nepal

- Worked in the agile environment.
- Extracted the data from the source such as the company's database, and APIs using python and the cloud.
- Processing those raw data. Cleaning and formulated for the analysis. checking for highs, lows, max, and min were some of the tasks done using SQL and Python.
- Loading the analyzed data back to the database or the client using Python and cloud.



## EDUCATION

May,  
2020  
|  
May,  
2022

### Dakota State University

Masters. in Data Analytics;

📍 Madison (SD), USA

2013-  
2017

### College of Biomedical Engineering and Applied Sciences

Undergraduate, Biomedical Engineering

📍 Kathmandu Nepal



## COLLEGE PROJECTS

- Fe-doped TiO<sub>2</sub> nanoparticles as a photosensitizer in Photodynamic Therapy for the treatment of cancer cells..
- The type of beans was predicted using different semi-supervised learning approaches using R.
- Analyzed the quality of wine from the Kaggle data with different machine learning algorithms using Python and Tableau.
- Implemented content-based filtering for the recommendation of books to the user using Python.
- Analyzed the news articles using topic modeling analysis for analyzing the sentiment using Python.
- Using social network analysis, I analyzed the email addresses to find the most important person in the network.
- Built the covNet of the dog vs cat dataset from Kaggle to classify the image.
- Deployed my different machine learning models as web applications using Flask.

## CONTACT INFO



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[in LinkedIn](#)

[Stackoverflow](#)

For more information, please  
contact me via email.

## SKILLS

**Core skills:** Statistical Analysis,  
Machine learning models, Large-  
scale data processing, and  
optimization methods

**Data Science:** Data Mining, Data  
Warehousing, Data Modeling,,  
Predictive Modeling, Data  
Visualization, Business  
Intelligence, Statistical Analysis,  
Advanced Microsoft Excel

**Core Programming Skill :** R,  
Python, MYSQL, Hadoop, Tableau

**Programming/tools:** R, Python,  
SAS, Hadoop, MySQL, SQLite,  
SQL, Tableau, Power BI, Hive,  
Kafka, Spark, HDFS



## REFERENCES

Available upon request