**Curriculum Vitae**



**Personal Information**

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**Objective:**

A motivated candidate with strong analytical skills and passion for extracting insights from data. Seeking an opportunity to apply my knowledge of analytics and contribute to AI by leveraging data- driven decision-making, machine learning, and predictive analysis. I am particularly interested in current trends such as machine learning, big data, AI and Machine Learning. I aim to stay ahead of the industry developments and contribute to innovative solutions that enhance organizational performance.

**Profile:**

* Excited about using data to solve real-world problems and contribute to AI and Machine Learning models.
* Ability to clean, analyze, and visualize data to support the training and optimization of the AI and ML models.
* Passionate about utilizing data analytics for predictive modeling and performance evaluation in AI systems.

**Education:**

* Bachelor of Engineering in Information Technology, 2020 to 2025, Royal University of Bhutan, College of Science and Technology, Phuentsholing, Chukkha.
* Google Data Analytics Professional Certificate, 2024, Google Learning program, Coursera.
* Python for Data Science and Machine Learning Bootcamp, 2024, GovTech Agency, Udemy.
* Google Advanced Data Analytics, 2025, Google Learning program, Coursera.
* The Data Science Course: Complete Data Science Bootcamp, 2024, GovTech Agency, Udemy.

**Projects:**

* Perform exploratory data analysis on retail data with python, Coursera, Google Learning platform.
* Sample projects of predicting the patients diabetes and binary classification, College of Science and Technology, Mini Project.
* Scrape and analyze data analyst job requirements with python, Coursera, Google Learning platform.
* Clean and analyze social media usage data with python, Coursera, Google Learning platform.
* Forecast bikeshare demand using time series models in R, Coursera, Google Learning platform.
* Build and deploy a stroke prediction model using R, Coursera, Google Learning platform.
* Intelligent number plate detection and parking slot, GovTech Agency, On Job Training.
* Built FaceNet and used pre-trained model for Facial Recognition Attendance System, College of Science and Technology, Final Year Project.
* Developed a predictive model using Jupyter Notebook to estimate key water quality parameters based on turbidity levels, College of Science and Technology, Final Year Project.
* Built the AI-Powered Short term load forecasting model for power grids to predict the power demand and supply in order to keep imbalance costs at a minimum.

**Work Experience:**

1. **Data Analyst:**

* Utilized python and Data visualization tools like R, Tableau, Google Colab, Jupiter Notebook, Big Data, Power BI and Excel to analyze data.
* Created comprehensive documentation of data analysis methodologies and findings to guide future development.

1. **Artificial Intelligence:**

* Used python and frameworks like TensorFlow and PyTorch and develop and deploy AI models for predictive analysis and decision making.
* Designed and implemented neural networks, which includes Convolutional (CNN) and recurrent neural networks (RNN), for AI task such as image recognition.
* To enhance AI model performance deep learning techniques such as transfer learning and data augmentation has been used.

1. **Machine Learning:**

* Used libraries such as Scikit-learn to build models for classification, regression, and clustering tasks.
* Conducted feature engineering, hyperparameter tuning, and model validation to optimize machine learning performance.
* Incorporated deep learning techniques into machine learning pipelines for complex tasks requiring higher accuracy.

**Skills:**

* Data Analytics
* Model development (Machine Learning)
* Problem Solving
* Communication
* Management
* Programming Languages like Python, Java, React Native, C, JavaScript, TypeScript, HTML and R.
* Team Collaboration.

**Personal Strength**

I am adaptable individual with strong analytical skills, which help me to solve problems effectively. I communicate clearly, which makes easy to work with others and share my ideas. I am also proactive learner, always looking for ways to improve my skills and knowledge. I approach challenges with positive attitude, using logical thinking to find solutions.