

BIDHYA SHRESTHA

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Technical Skills

Languages

- Python, C#, PHP, C

Frameworks & Libraries

- Pytorch, Tensorflow, Keras, Numpy, Pandas, Scikit-learn, Matplotlib, OpenCV, NLTK, ASP.Net MVC/Core, EntityFramework, HTML, CSS, Javascript, JQuery, Bootstrap
- PostgreSQL, MSSQL-Server
- Git

Experience

Softwel Pvt. Ltd., Kathmandu Nepal

Software Developer, August 2017 - July 2021

- Developed REST API and .Net Web Applications based on civil engineering following Agile Methodology.
- Deployed the .Net Core applications
- Developed Face Attendance System (desktop application) using PyQt and machine learning models
- Improved and Enhanced existing PHP Web Application
- Developed Interactive Voice Response (IVR) using FreePBX and asterisk server

Nepalese Student Association University of Memphis

Executive Member, September 2021- Present

- Organize programs to help students to acclimate to university life
- Help students to connect with other students and alumni.

Education

PhD Computer Science, 2021-Present (Graduate Assistant)

The University of Memphis, Memphis, TN

- Researching on 3D indoor small objects under the supervision of **Prof. Lan Wang**
- Performance Analysis of Graph Neural Network on small objects.
- Financial Crime Detection using different machine learning Models
- Built Search Engine using Inverted Retrieval Algorithm

BS Computer Science, 2012-2016

Tribhuvan University, Kirtipur, Nepal

- Developed Inventory Management System using .Net Framework

Personal Projects

- Sentiment Analysis of Nepali Text
- Dog Breed Classification
- Face Generator using GANs

Certifications & Online Courses

- Deep Learning Nanodegree by Udacity ([Certificate](#))
- Data Scientist with Python Track by DataCamp ([Certificate](#))
- Foundation in Artificial Intelligence by Fuse.ai ([Certificate](#))

Awards

- Recipient of **Peter I. Neathery Fellowship** (2022)
- Recipient of **Data Science for ML** Scholarship (2020)
- Recipient of **Fusemachines Artificial Intelligence Scholarship Program** (2019)