

Anish Shrestha

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Education

Miami University

Oxford, OH

Master of Science in Computer Science

Expected May 2023

Tribhuvan University

Kathmandu, Nepal

Bachelor of Computer Engineering

September 2012 - September 2016

Work Experience

Miami University

Oxford, OH

Graduate Research and Teaching Assistant

August 2021 - Present

- Collaborated with two graduate students to publish work on Natural Language Generation from Mind Maps using Generative Pretrained Model
- Co-conceptualized and implemented HoloLens 2 application for collaborative concept map modeling

ToggleCorp

Kathmandu, Nepal

Senior Software Developer

July 2020 - July 2021

- Co-led an agile development of Internal Displacement Monitoring Center's (IDMC) migration tracker application
- Integrated CI/CD using Docker + Github + AWS Copilot to reduce deployment time to single clicks
- Performed Extraction and Transformation on 10,000+ legacy text-based data in several database tables to Load (ETL) into the novel system using Javascript and bash

WhyUnified

Tampa, Florida, USA (Remote)

Software Developer

October 2018 - December 2019

- Led development of internal Business-to-Business (B2B) platform comprising 3 micro-applications
- Conducted internal reviews and software testing and made weekly reports communicated to the CEO

InfiniaHub

Kathmandu, Nepal

Software Developer

October 2016 - January 2019

- Developed and managed e-commerce software to allow retail stores to sell online
- Initiated application containerization using Docker to ease cross-platform development and deployment
- Experimented with emerging technologies like GraphQL to reduce development time over 30%

Skills

- Languages: Python, Javascript, C#, SQL, PHP
- Frameworks: Django MVC, GraphQL, REST, React.js, jQuery, pytest, AWS, Latex, Jira
Pytorch, Numpy, pandas, nltk, spacy, Huggingface, matplotlib, Jupyter notebook
- Databases: PostgreSQL, MySQL, Redis
- Other: Git, Docker, Linux, bash, nginx, DigitalOcean

Publications & Appearances

- Automatically explaining a model: using deep neural networks to generate text from causal maps. *Proceedings of the 2022 Winter Simulation Conference*, ACM/IEEE
- Automatic text generation to explain simulations. *Symposium on Natural Language Processing and Simulation*, 2022, Miami University

Projects

Collaborative concept maps modeling in Extended Reality

May 2022

Automated Facial Expression Recognition

September 2016

Certifications

AWS Fundamentals: Going Cloud-Native

Machine Learning

Introduction to Deep Learning

Coursera, Credential: WXP986AVCJAR

Coursera, Credential: A5XAV6Z8KHUW

Coursera, Credential: WNNKGCESQEFP