

Anish Shrestha

ann.shress@gmail.com -- linkedin.com/in/anishshress -- (513)837-5716

Education

Miami University

Oxford, OH

Master of Science in Computer Science

Expected May 2023

- GPA: 3.9/4.0
- Focus on Natural Language Processing and Virtual Reality

Tribhuvan University

Kathmandu, Nepal

Bachelor of Computer Engineering

September 2012 - September 2016

- GPA: 3.7/4.0
- Hackathon Organizer, Gaming Events

Work Experience

Miami University

Oxford, OH

Graduate Research Assistant

August 2021 - Present

- Implemented project on Natural Language Generation from Mind Maps using Generative Pretrained Model
- Collaborated with 2 graduate students to author research paper on applicability of language generation
- Co-conceptualized and implemented HoloLens 2 application for collaborative concept map modeling

ToggleCorp

Kathmandu, Nepal

Senior Software Developer

July 2020 - July 2021

- Co-led 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
- Created generator for automatic analytical reports using SQL queries to increase generation speed by 5%
- Created GraphQL API and error handling framework for internal developers

WhyUnified

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
- Led 2 junior programmers and coached on development stack, coding practices, and reviews

InfiniaHub

Kathmandu, Nepal

Software Developer

October 2016 - January 2019

- Developed and managed E-commerce software "InfiniaStore" 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
- Databases: PostgreSQL, MySQL, Redis
- Other: Git, Docker, Linux, bash, nginx, DigitalOcean

Projects

Automated Facial Expression Recognition

September 2016

- Served as core contributor to produce a comparative analysis of Support Vector Machine and Convolutional Neural Network for facial expression classification
- Added feature extraction using techniques like Principal Component Analysis with Gabor Filters and Local Binary Patterns

English Premier League Score Prediction

March 2016

- Implemented and trained AI with different naive machine learning techniques to study football winner prediction in unseen games

Certifications

Computational Methods for Data Analysis

Coursera, Uncertified

AWS Fundamentals: Going Cloud-Native

Coursera, Credential: [WXP986AVCJAR](#)

Machine Learning

Coursera, Credential: [A5XAV6Z8KHUW](#)

Introduction to Deep Learning

Coursera, Credential: [WNNKGCESEFP](#)