

Diresh Shrestha

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GitHub: github.com/diresh-shrestha

EDUCATION

Texas Tech University

B.Sc. in Computer Science, GPA: 3.7/4.00

Minor: Mathematics

Expected Graduation: June 2021

Lubbock, TX

August 2018-- Present

North Lake College

Associate of Science, GPA: 3.7/4.00

Irving, TX

August 2016–December 2017

EXPERIENCE

Advanced Particle Detector Laboratory (APD)

Undergraduate Research Assistant, Supervisor: Andrew Whitbeck

Lubbock, TX

May 2019 - August 2019

- Objective: Research and develop machine learning algorithms to train a gantry robot to independently assemble hexagonal modules for the upcoming High Granularity Calorimeter (HGCAL) upgrade to the Compact Muon Solenoid (CMS) Experiment at the European Organization for Nuclear Research (CERN) in 2024
- Collected data and pre-processed the data using different machine learning tools
- Collaborated with other undergraduate researchers to train and test different machine learning algorithms

EMURGO

Web Development Intern

Tokyo, Japan

Summer 2019

- Yoroi Wallet Project
- Updated the landing page for Yoroi Wallet, a light wallet for the ADA cryptocurrency, using React

PROJECTS

See full list of projects on github.com/diresh-shrestha

- RaiderMatcher (NodeJs, MongoDB, DiscordJs) 2020
- A discord bot for college students that will make the process of finding groups/teams easy and automatic

SKILLS

- **Web Development:** HTML5, CSS3, JavaScript ES6, React, Gatsby, NodeJs, MongoDB
- **Machine Learning/Deep Learning:** ScikitLearn, TensorFlow, Keras
- **Programming:** JavaScript, Java, Python

SCHOLARSHIPS AND AWARDS

- President's Honor List 2018–2019
- Proven Achiever's Scholarship 2018–2020
- Engineering Diplomats Scholarship 2020–2021
- TTU MJ Baca Scholarship 2020–2021

EXTRACURRICULAR ACTIVITIES

- Engineering Diplomats August 2020–May 2021
Diplomat, Whitacre College of Engineering
Held several programs throughout the semester, and conducted office hours every week to encourage and help students interested in Study Abroad programs
- Professional Coding Club August 2019–December 2019
Founder, TTU Student Organization
Created a club for enthusiasts to hangout every weekend to go over data structures and algorithms and solve coding problems.
- Texas Tech Yang Gang 2019–2020
Co-founder, TTU Student Organization
Raised awareness for Presidential Candidate Andrew Yang in the 2020 US Presidential election

LANGUAGES

- **English:** Fluent
- **Nepali:** Native
- **Hindi:** Proficient
- **Japanese:** Conversational