

# RISHANT ROKAHA

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## EDUCATION

**Caldwell University**, Caldwell, New Jersey (2018 - 2022)

B.S in Computer Science and B.A in Mathematics, GPA: 3.88/4.0

Honors Student, Presidential scholar, Sophomore Recognition Award, Dean's List

## WORK EXPERIENCE

**Software Developer Intern**, Caldwell University (07/02/2021- 07/05/2021)

- Design and Develop HTML forms, PHP and MySQL programs to process and store data in database
- Contribute to the group meetings and provide status update on development task for progress report
- Work closely in a team with Business department professors to design the software architecture

**Student IT Technician**, Caldwell University (08/09/2019 - present)

- Provide on-site, remote and phone assistance to resolve the hardware and software issues of all faculty, staff and students.
- Work on a team with other IT professionals to delegate tickets for different issues
- Assist with the planning of event logistics and setup of all audio/visual for different events and presentations.

**Mathematics Tutor**, Caldwell University (13/09/2019 - 15/02/2020)

- Tutor peers on one-to-one in Basic Maths, Algebra, and Advanced Calculus.
- Collaborate with professors to discuss the academic needs of the students
- Customize tutoring and instructions to meet the needs of diverse students and boost their test scores.

## PROJECTS

**MNIST Handwritten Digit Recognition Using Neural Network**

- Built a predictive model using Deep Neural Network from scratch to recognize the handwritten digits
- Devised and Experimented a model using diverse learning rates, epochs, nodes and layers to fine tune it.
- Implemented and Designed a cost function and back propagation algorithms to optimize the model

**Dog Cat Classifier Using Convolution Neural Network**

- Prepared a CNN model using keras and TensorFlow to classify the images of dogs and cats
- Preprocessed the datasets of over 25000 images for training and testing
- Implemented the optimization techniques like dropout and batch-normalization to improve model's accuracy

**Library Management System**

- Built a simple library software to add, view and issue books and users
- Used concepts of OOP in JAVA, Java Swing for Javafx to create a GUI based Software
- Integrated SQL programs to store and view data to and from database

## SKILLS

**Programming Languages:** Python, Java, JavaScript, PHP

**Technologies:** Keras, TensorFlow, React, React Native, MySQL, Git

**Languages:** English, Nepali, Hindi