

BIGYAN KARKI

www.bigyankarki.com | <https://github.com/bigyankarki> | b.gyankarki@gmail.com | (646) 821-3646

EDUCATION

Caldwell University, Caldwell, NJ

2016 - 2020

- B.S Computer Information Systems and B.A. Mathematics, GPA: 3.75/4.0
- Honors Student, Presidential Scholarship, Freshman Recognition Award, Dean's list 17/18
- Related coursework: Artificial Intelligence, Data Structure and Algorithm, Big data and data science, Data Management System, Numerical Analysis, Linear Algebra II, Probability and Statistics I

WORK EXPERIENCE

DAAD RISE Scholar, Munich University of Applied Science, Germany

May 2019 - August 2019

- Will work/research on developing simulation environment and generating dataset for self-driving car.

Jenzabar Summer Intern 2018, Jenzabar inc.

May 2018 - August 2018

- Integrated Form Workflow to the student portal that went to serve four thousand students.

Co-founder and Vice president, Computer Science Club, Caldwell University

October 2017 - Present

- Hosted workshops for creating static websites and developing Neural Networks.

PROJECTS

HazelNut Mobile Application (Releasing soon in Play store/ Apple Store)

- Designed and implemented User Interface using React Native.
- Implemented REST API using NodeJS

CougarBot - Caldwell University Smart Messenger Chatbot, <https://cougarbot-site.herokuapp.com/>

- Led a team to develop a messenger chatbot that uses NLP to communicate with users.
- Daily homework reminder, college events notification, and library hours are the most notable features.
- Technologies used: Node.js, React.js, firebase, Heroku, DialogFlow

Digit Recognition using Artificial Neural Network, http://experiments.bigyankarki.com/digit_recognition

- English handwritten digit recognition using Artificial Neural Network in Python 3.
- Wrote a research paper describing all the processes followed while implementing the project.
- Technologies used: Python3, Tensorflow, OpenCV, Numpy, Flask

Real-Time Face Recognition using Convolutional Neural Network

- Made a custom dataset, cleaned the dataset, and trained it using Google Inception V3 model.
- Trained the model in AWS EC3 instance, and wrote a blog explaining the process.
- Technologies used: Python3, Tensorflow, OpenCV, AWS

ADDITIONAL SKILLS

Programming Languages: Python3, JavaScript, Java, R, C++

Technologies: Node.js, React.js, React Native, Tensorflow, MySQL, Git, Flask

Independent Courses: Machine Learning (Coursera), Deep Learning (Ian Goodfellow, et. al), Fast.ai