NISHCHAL POKHREL

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+977-9846618055
Kichanas-3, Syangja, Province- 4, Nepal

Education

Tribhuvan University, Institute of Engineering, Pashchimanchal Campus   2015-2019
Undergraduate in Electronics and Communication Engineering
Major Coursework:
Microprocessor, Computer Organization and Architecture, Computer Network, Digital Signal Processing, Signal Processing, Artificial Intelligence, Computer Graphics

Project Completed

License Plate Recognition System
(Major Project Bachelor), (Image Processing)
Supervisor: Suraj Bahadur Tulachan
 - ➢ Selection of tracking point using optical flow of a background subtracted image
 - ➢ Use of image processing algorithms to detect license plate which is further preprocessed for character segmentation, and recognition to detect optimum license plate number
 - ➢ **Best project** awards in college 2018

Voice Controlled Home Automation System
(Minor Project Bachelor), (Arduino Uno)
Supervisor: Hrishikesh Tiwari
 - ➢ Control of AC electronic components by DC using Arduino Uno
 - ➢ Wireless control and monitoring of signals from different appliances

Detection of Skin Cancer Cells Using CNN
 - ➢ Automatic Detection Of skin cancer cells and classification of several stages
 - ➢ Use of CNN algorithm for feature extraction and data classification

Achievements

 - ➢ Merit scholarship grant from government of Nepal for undergraduate degree
 - ➢ Warm clothes distribution to the needy ones, blood collection campaign, and fund collection.
 - ➢ **National Participations**
   - • ROBOTICS, AUTOMATION AND ARDUINO workshop, ROBOTICS CLUB Third Engineering Expo-2074
 - ➢ **Conferences**
   - • IOE Graduate Conference (2019), IOE Pulchowk Campus, Kathmandu

Skills

Personal skill: Decision Making, Problem Solving, Good communication in verbal and written.
UI and Server Side Development: HTML, CSS, Angular.js with ionic
Programming Language: C, C++, Python, JavaScript (ES-6, JSX)
Data Science: Data mining, Machine learning, Deep learning, Sklearn, Opencv, Tensorflow, Pandas, Numpy