

Sanam Raj Chaudhary

Kathmandu, Nepal | sanamrajchaudhary33@gmail.com|<https://www.linkedin.com/in/sanam-raj-chaudhary/>
<https://github.com/sanamyouraz>

Available: Summer 2023 for Co-op or Internship

EDUCATION

Broadways infosys, Tinkune, ktm Feb 2021 June 2021

Related Courses: ASP.Net MVC, C#

Bangabondhu Sheikh Mujibur Rahman Science & Technology University ,

Gopalganj,Dhaka,Bangladesh

December 2017 - December 2022

Bachelor of Engineering in Computer Science And Engineering, (CSE)

Related Courses: Object Oriented Programming, Data Structures, Algorithms, Databases,Mechatronic,AI/ML

TECHNICAL KNOWLEDGE

Languages : C, Embedded C, C++,Java, C#, JavaScript , Python

Databases : Microsoft SQL Server,PostgreSql, ,SqlLite

Web Technologies : HTML, CSS,Bootstrap,JavaScript JQuery, Knockout
Js ,ParamQueryGrid,API

Extra Skills : Robotics ,ROS,Arduino ,Cyber Security,KaliLinux , Metasploit

Framework & Libraries : Asp.Net MVC, ADO.Net ,Django , Numpy, Pandas, Matplotlib, Scikit-learn,
Tensorflow,Keras,Computer Vision

Version Control : Git

Certifications : Free udemy course ,Free DataCamp Course, Free Analytical Vidhya Course for
Python Programming language ,Analytical vidhya free course for data Analysis

WORK EXPERIENCE

InfoDevelopers Pvt. Ltd., Sanepa,Ktm

SDE Intern, Personal Management System

July 2021 Sept 2021

- Form Design Using HTML,CSS,and Bootstrap
- Asp.Net Webforms
- Make validation using JQuery ,Jquery Tabs and Dialog Box,Json Binding In table
- Knockout Js
- ParamQuery Grid ,Edit Delete ,Update Operation On PQGrid
- Ajax
- Bind Data from a Database to a UI
- Create a stored procedure for fetching, editing, deleting, and updating data in a database using SQL
- Perform CRUD operations in MySQL and implement remote data pagination using PqGrid

ACADEMIC PROJECTS

Personal Information System: Online Student Record Web Apps

Developed a Web Application to record student data for school and college . Implemented pagination to reduce network response time

Voice Control Car: Obstacle Avoiding,Human Following

The Concept was based on was voice Recognition Technology. The car operates by having a Voice Receiver Box on it where it receives your voice commands.Electronic Componenet: Arduino Uno,motor driver l293d,Hc-05 Module ,IR,Ultrasonic Sensor

Home Automation: IOT

The Concept was based on was Internet of Things (IOT) Including Voice Assistance Using API.The Home Appliance like Fan , TV , Bulb, Door ,Windows can be Control by mobiles by sitting any part of world.

Self Driving Simulation: CNN

The Concept was based on training a self driving car using Convolution neural networks CNN for lane detection,traffic signal light&board detection

Lung Cancer Prediction: Random Forest

The project involved analysis of the Lung Cnacer patient dataset .The models were trained and and predictions are made with Random Forest.The aim of this project is to Predict that wheather panteints is have lung Cancer or Not.Evaluate Performance of

Stroke Disease Prediction: Random Forest and Support Vector Machine

The project involved analysis of the Stroke patient datasets . The models were trained and predictions are made with Different Algorithms Random Forest and Support Vector Machine..The aim of this project is to Predict that whether patient is have Stroke or Not.Evaluate Performance of Machine Learning Model by Confusion Matrix ,Accuracy, Precision, Recall & F1-Score.

Leather Defect Detection: CNN

The project involves Image Processing using Deep learning Convolutional Neural Networks along with MobileNet-UNet model is used to deliver the results. Given an image of the Defect Leather, the CNN must give out the correct defect of leather in the image out of classes of Defect Leather. The aim of this project is to Detect the Defect of the Leather if given a photo or image as input.

Dog Breed Classification: CNN

The project involves Image Processing using Deep learning. Convolutional Neural Networks along with Transfer Learning is used to deliver the results. Given an image of the dog, the CNN must give out the correct breed of the dog in the image out of classes of dogs. The aim of this project is to create a classifier that is able to identify a breed of a dog if given a photo or image as input.

Thesis Topic: Self Driving Car

This paper presents analysis of research and innovation on self-driving cars.Here we train a self driving car using Convolution neural networks CNN. We will be using the open source Self driving car simulator provided by Udacity that is used in their Self driving car Nano degree program. Using this simulator we will first drive the car and collect data. Then we will train a CNN model to learn this behavior and then test it back on the simulator. The model we will use was proposed by NVIDIA. They used this model to train a real car data and got promising results when they drove it autonomously.

Minor Project: Self Driving Car using Simulation ,Portable Tracking Device ,Self-made Usb Rubber ducky(Hacking) ,Automatic Irrigation System for farmer, Wifi Repeater, Wifi jammer, Theif Detection in Home ,Weather Alert System.

Working Project: Bionic Hand ,Self Driving Car ,Drone with Computer Vision,Artificial Sensor For Human Body

EXTRA CURRICULAR ACTIVITIES

Teach underprivileged rural children subjects like mathematics and science backed by BSMRSTU club.

Served as Robotics Instructor and taught more than 10 students in the University of 2nd Years Student.

Actively Participate in food donation program during Lockdown by Jeetpur Team.

