Aditya Kumar Singh

B.tech student at VIT, Amaravati. Having working experience with C++,Python ,Java , Python flask, MySQL workbench,AWS EC2 and good knowledge of Data structure & Algorithms, OOPs. Also familiar with HTML,CSS,Linux,WireShark and Machine Learning.

adisingh.98@gmail.com ✉

9398125870 📱

Bihar, India 📍

linkedin.com/in/aditya-kumar-singh-b67b37169 in

github.com/ramrap62?tab=repositories ⦿

EDUCATION

B.Tech
Vellore Institute of Technology, Andhra Pradesh

2017 – 2021

CSE with specialization in Networking and Security

- 8.33

Senior Secondary School
Kendriya Vidyalaya Danapur Cantt

2016

12th

- 74%

High School
Kendriya Vidyalaya Danapur Cantt

2014

10th

- 8.20 CGPA

PROJECTS

NN - Google Chrome Extension ⧉
- A Google Chrome Extension that detects NSFW images on the web page and blocks it before the page loads.
- With Nudenet Classifier python script running on server which classifies images as SFW and NSFW.
- Client side sending Image URLs to server script in a json file and receive classified images and blurs out the NSFW images.

Autonomous trash collector
- Using object detection to detect trash (likes cans,bottles,wrappers) and collect it using mechanical blades.
- Tensorflow pre trained model used for object detection.
- Mechanical part includes a small RC 4 wheeled attached with rotating blade at front.

Home security System
- Security system using PIR sensor and Piezo Buzzer.
- A main interface board with a display & keypads to enter pin to arm or disarm the alarm.
- And a GSM module to receive when sensor is triggered

SKILLS

Python   C++   Java   SQL   Data Structure

Communication   Team Player

ACHIEVEMENTS

Expresso - The painting Competition (01/2019)
3rd place

WebHunt 404! (03/2019)
Team Standing in Top 5

VITality - Hackathon (10/2018)
Winner

National Children Science Congress,Kendriya Vidyalaya (2011 – 2015)
2 National participation and 1 regional.

PERSONAL PROJECTS

AES Encrypted Server-Client Chat using pyaes and socket. ⧉
Everytime connection is established using different set of 24 bit key, which is exchanged between client and server just after the connection and is used to decrypt the transmitted message.

A Task Manager Web App with Python using Flask, WTForms and SQLAlchemy ⧉
A web task manager with features like add task,edit task and remove and Jinja templating.

INTERESTS

Portrait Sketching   Competitive Coding on Leetcode.

Reading r/AskReddit