

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.



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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

ACHIEVEMENT

WebHunt 404! (03/2019)

Team standing in Top 5

Expresso - The painting Competition (01/2019)

3rd place

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 using Jinja templates.

INTERESTS

Competitive Coding on Leetcode.

Portrait Sketching

Reading r/AskReddit

