DHRUV SHARMA

CS Senior Undergraduate

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https://github.com/Dhruv97Sharma

https://www.hackerrank.com/sharmajikalaunda

PERSONAL PROFILE:

Want to work in a challenging environment which gives me a chance to exploit my extreme interest in the field of Computer Science , fulfill my desire to do something out of the box for my organisation , explore and grow my skills and talent in the process.

PROGRAMMING LANGUAGES AND FRAMEWORKS:

- C ++ (STL, Algorithm,File Handling)
- Python (request,json,bs4,re,etc.)
- Java (SE)
- C Programming
- Django & Django-REST Framework (MVT Backend Design)
- Ionic 4 (Angular)
- MySQL & Oracle (DDL,DML,DQL)

TOOLS AND IDE'S:

- Pycharm Professional
- GIT-BASH
- Wordpress
- PHPMyadmin
- Terminal (Linux-Unix)

CORE SKILLS:

- Problem-solving
- Fluency in communication
- Team Player
- Strong leadership skills
- Time management
- Consistency and Creative thinking

ACADEMIC HISTORY:

B.E COMPUTER SCIENCE

L.N.C.T(Affiliated to R.G.P.V University)   *2016-present*

CGPA - 8.38

HIGH SCHOOL EDUCATION

St. Joseph's Co-Ed School, Bhopal   *2015 - 2016*

Percentile - 81

HIGHER SECONDARY EDUCATION

St. Joseph's Co-Ed School, Bhopal   *2013 - 2014*

CGPA - 9.4

PROJECTS:

REMOTE PROCESS MONITORING SYSTEM

Duration - 2 months

Key Skills : Python(PySimpleGUI, psutil), JSON Parsing, API Testing, File Handling

Software Application GUI for monitoring processes running on a system which shows all the information about their path, state, name, id's including the information of all the processes which have a remote connection and also listing the geographical location controlling the process and also checking the nature of the process using VirusTotal's public API.

DJIKSTRA'S ALGORITHM SIMULATION FOR A RANDOMLY GENERATED GRAPH

Duration - 1 month

Key Skills : C++(STL,Algorithms,random), OOP's, CUI

Implemented a monte carlo's simulation that calculates the average shortest shortest path in a graph which was generated using a psuedo-random number generator to produce edges and their costs creating a graph class with its appropriate constructors. Using Dijkstra's shortest path algorithm .

BRAHMASTRA

Duration - 1 month

Key Skills : requests, json, Django(Form management,static file handling, template management, view modelling), Django-REST framework for API service, scrapy.

Brahmastra is an effort to build a platform where malicious, phishing or compressed links can be checked on more than 72 antiviruses and latest threat report checks performed after decompressions performed on a link giving the user details about the source of the link, the level of maliciousness, type also the type of content and other links are scraped and checked.

PERSONAL DOSSIER:

Date of Birth : 12/09/1997

Address : H.No - 87, Vaishali Nagar

Colony, Bhopal : 462003

Languages : Hindi, English

Nationality : Indian

MAJOR TRAINING:

WEB PORTAL FOR REMOTE PROCESS MONITORING SYSTEM

Duration - 1 and a half month

Key Skills : Django(Form management,static file handling, template management, view modelling),MVT Design. Python

Created its web GUI using Django and made an SSL encrypted dashboard and implemented a secure session based Admin login and user management system customized for providing a user with the capability of listing currently active processes with their process ID's , names and path remotely.

TASK-ASSIGNMENT-SYSTEM

Duration - 1 month

Key Skills : Django 2.2(Form management, static file handling, template management, Class Based view modelling, url modelling, signal handling), MVT Design, Python 3.6

A Django based backend implementation of a teacher-student task assignment system. Using class base views for CRUD. Using the application an Admin(teacher) can create new tasks and assign them to multiple students. CRUD of tasks. (Fields for task: title, body, image). (Teacher login required) While a User(student) can login to his account and see tasks assigned to him.

VOLUNTEER WORK AND ACHIEVEMENTS :

- C++ for C programmers Part-A (Coursera certified Verify at coursera.org/verify/44QH8YYGXNJZ)
- C++ for C programmers Part-B (Coursera certified Verify at coursera.org/verify/HKGWWEZV7MPF)
- Python Specialization - Data Collection and Processing in python(https://www.coursera.org/account/accomplishments/certificate/WPKB7DYLMQU2)
- Python Specialization - Python Classes and Inheritance (https://www.coursera.org/account/accomplishments/certificate/WPKB7DYLMQU2)
- Participated in the Grand Finale of SIH 2019
- Participated a one week statewide workshop on Internet of Things by Web Gurukul
- Participated a Two days National workshop on Digital India Towards Innovation M.P Council of Science and Technology, Bhopal. Supported by CSI Bhopal Chapter and ACM Bhopal Chapter.
- Volunteered in a LAN gaming college Annual Techfest event BATTLEGROUND named SRISHTI 2017
- Volunteered in "Paint For Change" event and "Secret Santa" for an NGO "GRAMIKSHA"