



KARTIK KRISHNAN SINGH RANA

PROFESSIONAL PROFILE:

"The way to get started is to quit talking and begin doing" is a quote that always helps me get going. I am a highly motivated, full of curiosity and a rational student that puts his heart into his work. I have excellent skills in organizing and managing things along with people which makes me an asset to the team which also displays my leadership and management qualities. I also have a keen interest in coding and solving problems

CORE SKILLS

- Languages known:
 - Python.
 - Java.
 - C.
- Other skills :
 - App development (Android studio).
 - I.O.T.(Arduino).
 - Website designing(full-stack).

PERSONAL PROJECTS:

Home Automation using IOT (Internet of Things) (07/2020 - 07/2021):

- ❖ Designed a smart home automation system, which controls basic home appliances from your smart phones.
- ❖ The project was built on ESP8266 module.
- ❖ Worked on many basic home appliances like ceiling fan , LED lights and electric kettle.
- ❖ Use of many sensors, modules and componenets like the ,relay ,blynk ,ifTTT ,MIT ,IR sensor, DHT sensor (humidity sensor) and LDR light sensor was seen throughout the project.

Personal (A.I) Assistance using Python(05/2021-/08/2021):

- ❖ Designed a personal assistant using python which can perform various functions and tasks via voice command using python modules.
- ❖ Worked on modules such as pytsx3 , time ,requests,api, speech_recognition,datetime,Wikipedia,webbrowser,os,smtplib,cv2,pywhatkit,sys,pyjokes,pyautogui,instaloder,pypdf2,PyQt5
- ❖ Build a Gui using Qt designner.

Face recognition system using python (04/2021-05/2021):

- ❖ The goal of this project is to detect and locate human faces in a color image.
- ❖ Designed a facial recognition system using python for security and login.
- ❖ Worked on modules such as cv2, facerecognition, numpy
- ❖ Using haarcascade_fronta_default.xml

Website-Bot using python (/05/2021-06/2021):

- ❖ The goal is of this project is to make iterative human process on websites to be done by automation.
- ❖ Can be used on any website .
- ❖ Worked on various web scrapping scrapping methods , api's, browser request, selenium and various bot modules.

Website(05/2021- 08/2021):

- ❖ Designing multiple templates
- ❖ Front-end using css html javascript ,Reactjs
- ❖ Back-end using node.js , pug , express.
- ❖ Database - MongoDB

CONTACT:

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GIT HUB LINKS:

Main link :

Android apps:

<https://github.com/kartikksinghrana/androidstudio>

Website:

<https://github.com/kartikksinghrana/javascript>

Python Projects Link:

https://github.com/kartikksinghrana/python_projects

SKILLS:

- Organization and management.
- Strong verbal communication.
- Attentive.
- Aptitude.
- Fast learner.

Mobile Application using android studio(10/2020-02/2020):

- ❖ Designed Mobile application using java and android studio
- Applications such as:
- ❖ BrainTrainer
- ❖ HigherorLower
- ❖ Jsondemo
- ❖ Audioplayer
- ❖ Fadeanimation
- ❖ Currencyconvertor
- ❖ Eggalarm

WORK EXPERIENCE:

Core member – organizing department for fest(07/2019)

Internship at raindrop as a website development intern(05/2021-08/2021)

EDUCATION:

D.I.T. University, Dehradun.

- B-tech.- C.S.E.-I.O.T. (2022)

St. Joseph's College ,Nainital.

- 12th(I.S.C.-Physics,Chemistry,Maths.) (2018)
- 10th(I.C.S.E – Science) (2016)

ACHIEVEMENTS:

Certified courses:

- Python bootcamp
- Public speaking
- Problem solving
- App development(android studio)

Extra-curriculum:

- State lake cross 100 times
- State lake cross freestyle participation
- Swimming freestyle and butterfly 50 m
- Picaso art gallery Painting completion
- Clay modeling
- Poster making

HOBBIES AND INTERESTS:

- **Swimming**
- **Painting**
- **Dancing**
- **Orator**
- **Designing**
- **Cycling**
- **Cooking**

PERSONAL INFORMATION:

- **Father's Name: Bhagwat Singh Rana.**
- **Birthdate: September 05, 2000.**
- **Gender : Male.**
- **Nationality: Indian.**