

Deepak Singh

Engineering Graduate

Deepak Singh

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Skills

Linux, Data Structure, Algorithms, Web Development, Android Development

Languages : C++, Java, Python, MATLAB, SQL, HTML5

Tools and Technologies: Raspberry Pi, Arduino, Android Studio, Selenium, Django

Interests: Network Security, Backend Development

Technical Electives : DMG, FCS, GPU, MC, Ethical Hacking

Projects

DigiHop

Oct 2020 - PRESENT

- DigiHop is a mobile application that leverages FHIR resources to digitalize patients' journey to a clinic or a hospital.
- It allows the patient to book an appointment at a clinic or a hospital.
- It follows a client-server paradigm model that uses the Microsoft Azure FHIR server

Bot Account Detection on Twitter

Jan 2020-May 2020

- Researched for the factors that are instrumental in recognizing bot accounts from non-bot accounts.
- With the help of a python API and the factors that were researched, accounts were then classified into a bot and a non-bot accounts.
- The Hashtag that was used to mine tweets was #delhiriots.

Virtual

Oct 2019-Nov-2019

- It was a food delivery app specifically made for our college. Its main objective was to deliver food from our college canteen to our hostel.
- It was made for android devices on android studio

Secure Banking System

Aug 2018-Nov 2018

- Developed a Django web application for a secure banking system with support for various types of users (employees & customers).
- Provides security to threats like XSS, CSRF, DOS and code injection attacks (SQL injection).

Classroom Booking System

Aug 2017-Nov 2017

- A desktop-based JavaFX application to manage classroom bookings at IIITD
- It supported multiple kinds of users for eg Students Faculty and Administrator.

Mars Rover Prototype

Jan 2017-May 2017

- IED course Project in which a prototype of mars rover was build which can sense the environment and was learn to avoid the walls or obstacle using reinforcement learning.
- The software side of the project was done using Arduino coding and python so that the sensors can collect the data and make an observation or analysis regarding the environment.

Education

Indraprastha Institute of Information Technology / Bachelors of Technology in Computer Science

2016 - 2021, DELHI

The Air Force School/ Class XII

2014-2016, DELHI

The Air Force School/ Class X

2004-2014, DELHI

Experience

Saraswati Educational Society

Oct 2020-Present

- This organization primarily helps in rehabilitating HIV AIDS patients and spreading awareness about HIV AIDS in the lower strata of the society.
- Overlooking and increasing the online social networking engagement of this NGO.
- Making a brand new website for this NGO complete with online donation portal.

Positions of Responsibility

- Volunteer in Esya'16.
- Organizing Team in Esya'18, Odyessey'17, Esya'17.
- Member of BYLD-Development Club of IIITD.