

RAJAT AGRAWAL

A curious mind who loves programming and learn new things

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PROJECTS

Actroid

Smart assistant bot

📅 January 2020 – Ongoing 📍 Jaipur, Rajasthan

Implemented various natural language processing models for this assistant bot. Next goal will be implementing visual question answering models.

Invo-Cloak

The Invisibility Cloak

📅 August 2019 📍 Jaipur, Rajasthan

Used OpenCV library to mask the still picture of the background to a colour. I used a cloak of Red colour which masks the background still image and appears as if the cloak is invisible.

Zine Official App

Android App of Zine Robotics

📅 May 2019 – July 2019 📍 Alwar, Rajasthan

This is the official app of Zine - Robotics and Research Group of MNIT. It was build using Android Studio. It uses JAVA, XML and PHP.

Hoc Lineam

Autonomous Line Traversing Bot

📅 February 2019 - March 2019 📍 Jaipur, Rajasthan

Written code for Arduino IDE for lane traversal. Also wrote code for shortest manipulation. This was built for an event in JECRC College in Jaipur.

Zenith 3.0

Manual bot

📅 December 2018 - January 2019 📍 Jaipur, Rajasthan

This bot has height and length changing mechanisms. It was built for solving a problem statement for technical event in IIT Kharagpur.

HONOURS

Top Contributor

Kharagpur Winter of Code

📅 December 2019 – January 2020 📍 IIT Kharagpur

- Contributed to various repositories on Github under the Open Source Program - Kharagpur Winter of Code 2019 and was among the top contributors.

First Runner Up in Zenith

Kshitij 2019

📅 January 2019 📍 IIT Kharagpur

- Zenith was a manual event conducted by Robotix Society of Indian Institute of Technology, Kharagpur at their technical festival Kshitij

EDUCATION

B.Tech in Electrical Engineering

Malaviya National Institute of Technology

📅 August 2018 – Present

ORGANISATIONS

ZINE

Robotics and Research Group

📅 October 2018 – Present

PROGRAMMING LANGUAGES

Python
MATLAB
SQL
C
C++
Javascript
Java
PHP
C#
Dart
Go
Bash
PowerShell



TECHNICAL SKILLS

• Industry Knowledge

Hybrid Mobile Applications

Web Development

Open Source Contribution

Computer Vision

Internet of Things

Ethical Hacking

Game Development

Machine Learning

Natural Language Processing

Mechanical Designing

• Tools and Technology

Android Studio

Flutter

HTML

CSS

Bootstrap

React Native

MongoDB

Git

Github

OpenCV

Arduino

Linux

Unity

Tensorflow

AutoCAD

Fusion 360