

KANISHK RANA

Email: kanishk17241@iiitd.ac.in

DOB: Feb 26, 2000



Education

Indraprastha Institute of Information Technology

B.Tech(CSAM)

2017 – Present

CGPA: 7.71
(current)

SM Arya Public School, New Delhi

CBSE

2016 – 2017

Percentage: 93

SM Arya Public School, New Delhi

CBSE

2014 – 2015

CGPA: 9.8

Skills

Interest Area CTF, Problem Solving, Teaching, Algorithms, Network Security

Programming Language Python, Java, C#

Tools and Technologies Unity Game Engine, Android Studio, XAML, HTML-CSS, Bootstrap, JavaScript, ArduPilot, Unix Scripting, Shell Scripting, LaTeX, OpenCV, MIT App Inventor

Technical Electives Advance Programming, Competitive Programming-1

Certifications Machine Learning(Stanford Course on Coursera),
IBM Data Science Professional Certificate(Currently in Progress),
Web Development(Internshala)

Internship

Feedough | Contributing Writer (Sep,18 –Present)

Responsible for writing SEO friendly content on topics specifically aimed at helping entrepreneurs.

All in One Cyberteam | Content Development Team (Dec,18 –Dec,18)

Created questions and tutorials for various topics on the lines of CTF competition held around the world.

Adarsh Public School | Instructor (May,18-Jul,18)

Taught Science, Math and Computer Science to school students who were academically weak.

Projects

NLP and Web Development

The project based on name generation currently under improvement after being acquired by a startup for increasing it's product reach.

(Feb'18-Present)
Team Size-3

Game Development | Snake vs Blocks

Designed the game UI and logic in Java using JavaFX library.

(Nov,18 – Nov,18)
Team Size-2

Two Pass Assembler

(Oct,18 – Nov,18)

Designed a two pass assembler in Python to convert a given set of instruction into machine code with generation of various tables like Literal Table, Symbol Table etc.

Web Development

(Oct,18-Oct,18)

Created a personal webpage using HTML,Bootstrap and JavaScript. kanishkrana.me

Surveillance System for Detecting Unknown Person

(Aug,18 – Aug,18)
Team Size-2

Designed a surveillance system to detect unknown person in a given area using OpenCV library of python with feature of monitoring intrusions in real time.

IoT Based Automatic Bed for Changing Diaper

(Mar,18-Apr,18)
Team Size-4

Designed a bed to change diaper of adult person using frame made up of MDP and controlled via an app made by MIT App Inventor. SMS alert for abnormal conditions was sent over SMS gateway using Twilio.
The bed was named ABCD-399(Automatic Bed for Changing Diaper).

Interactive Smart Lamp

(Feb,18-Mar,18)
Team Size-4

Designed a smart lamp with innovative features like study-mode, ambient light self-adjustment,party-mode with 360 degree horizontal and 150 degree vertical positional freedom controlled via an app made using MIT App Inventor and sensors like bluetooth module,

[Link for Projects](#)

Awards and Achievements

- InCTF by Amritapuri University Rank 3 in India, Qualified for Onsite Finals
- Recognized by Dainik Jagran for ABCD-399 [Link to Publication](#)
- Bronze Medallist,100m Sprint (Inter School,West Zone,Delhi,2015)
- NTSE Scholar,Delhi Region (State Rank-110,2014)
- JSTSE Scholar (State Rank-52,2013)
- 3rd Position,Student Innovation- Designed a solution for dealing with toxic fumes from a factory,2012

Positions of Responsibility

- Organizing Team | Event Head | IPL Auction Esya'18 (Aug 18)
- Aurora UAV Team, IIITD | Responsible for making unmanned missions using ArduPilot and working with PixHawk (Sep 18-Present)
- Webcast Team, IIITD | Recording and streaming live of seminars conducted in college (Sep 18 – Present)
- Member | d4rkc0de | Cyber Security Club,IIITD (Oct 18 – Present)
- Manager | E-Cell, IIITD | Responsible for conducting and planning of events like SnackChat , Shark Tank etc (Oct 18 – Present)
- Member | Trivialis Quizzing Club,IIITD | Responsible for conducting quizzes on various topics (Aug 17-Present)

Declaration: The above information is correct to the best of my knowledge.

Kanishk Rana

Date: Mar 21, 2019