

## Curriculum Vitae



### **KRISHAN KANT**

SOCS, UPES

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**GitHub:** <https://github.com/logicals7>

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A skilled computer guy in Python, C++ and having an efficient knowledge of data structures with prior work experience in **web technologies**, data science & cybersecurity with professional organizations.

### **Specialization Seeking Realm**

- ✓ Software Development – Web Development
- ✓ Cybersecurity (beginner level)

### **Education**

Year	Course	School/College	Board/Uni.	CGPA/
2017-21	B.TECH. - (CSE) with specialization in Internet of Things & Smart Cities	School of Computer Science	UPES	7.35/10
2016	Class XII	GL Public School, Kanina, M.Garh , Haryana	CBSE	69.20%
2013	Class X	KL Adarsh High School, Dhanounda, Haryana	HBSE	91.40%

### **Internships**

- ❖ **Google Cloud Engineer Trainee – Cognizant Technology Solutions (Ongoing)** **Duration: 5 Months**  
**Technologies worked on:** SQL, Java, Python, Data Warehousing, Hadoop, Scala, GCP
  - ✓ Got trained in the SQL database with quality hands-on & cleared Cognizant's internal certification in SQL.
  - ✓ Got trained programming languages Python & Java & passed Cognizant's internal certifications.
  - ✓ Learned about Linux environment & commands to perform Hadoop operations.
  - ✓ Trained in BigData technologies like Hadoop, Spark, Pig, Flume, HBase, Hive, Scala, Sqoop & submitted essential hands-on.
  - ✓ Currently learning the Google Cloud technologies.
- ❖ **Cybersecurity & Forensics Team - Cyber Cell, Noida Police.** **Duration: 2 Months**  
**Technologies worked on:** Information Gathering, Vulnerability Scanning, WaPt
  - ✓ Trained in CEH & ECSA curriculum with the hands-on exercises.
  - ✓ Completed tasks assigned related to different modules of ethical hacking training.
  - ✓ Project-1: Scanning Vulnerabilities of Government Websites
    - Submitted a detailed report of gathered information & possible vulnerabilities of various government websites for enhancing the security of the target's system & server under mentor's guidance.
- ❖ **Cybersecurity Intern – HackersDaddy Cyber Security Solutions** **Duration: 2 Months**  
**Technologies worked on:** Information Gathering, Vulnerability Scanning, Data analysis, Web technologies, GPS & PAN
  - ✓ Learned basic concepts of web applications & web technologies.
  - ✓ Made some websites to demonstrate & understand the web applications.
  - ✓ Accomplished training in the WaPt module with hands-on tasks submitted to the mentor.
  - ✓ Project-1: Secure Payment Authentication using GPS & PAN
    - Developed a web-portal for log-in & registration in which GPS coordinates of often-visited shops is captured & analyzed along with other parameters such as previously made payments, maximum payment limit, PAN availability to decide the success of a hassle-free transaction & to trigger the payment gateway. Otherwise, user gets a notification on its authenticated device to allow or decline the transaction.
- ❖ **Python Developer & Data Science Intern - Bugendai Tech** **Duration: 2.5 Months**  
**Technologies worked on:** Python, Flask EDA, tesseract-OCR, Open-cv, Image enrichment, Dashboard, Cryptography
  - ✓ Extracted useful information using 'Exploratory Data Analysis' through graphs and charts from different datasets & created a dashboard' to render graphs for analyzed data using HTML components in data science.
  - ✓ Project-1: ChatBot Development
    - Worked on a ChatBot to design & develop the frontend & backend for both generative model & iterative models.
  - ✓ Project-2: Bitcoin Wallet
    - Learned about Cryptographic techniques & created a Bitcoin wallet to monitor the bitcoin transactions with unique bitcoin wallet addresses, public & private keys.
  - ✓ Project-3: Image Enrichment & Data Cleaning
    - Worked on 'Image Enrichment & Data Cleaning' techniques to enrich different types of data of texts, tables, missing borders, curved-text, perspective & skewness correction using tesseract-OCR & open-cv in python.

## Projects Experience

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- Project Title:** Foot Traffic Analysis for Optimal Restaurant Operations *Duration: 5 Months*  
**Mentor:** Ms. Amber Hayat, Ass. Professor (Senior Scale) at Department of Systemics, UPES  
**Description:** Analysed transactional data using 0/1 Knapsack algorithm to predict suggestions for restaurant like – need of dishes on particular day, staff requirement, most liked dish etc. combined with restaurant management system.
- Project Title:** Chat Server using Socket Programming in C *Duration: 5 Months*  
**Mentor:** Ms. Amber Hayat, Ass. Professor (Senior Scale) at Department of Systemics, UPES  
**Description:** Implemented sockets between client & server to establish communication & functioning of a chat server under TCP protocol. The server could listen to the multiple clients at the same time.
- Project Title:** Hardware Security & Smart Log in for Sensitive systems & Servers *Duration: 2 Months*  
**Mentor:** Mr. Prashant Rawat, Ass. Professor at Department of Systemics, UPES  
**Description:** Developed a Raspberry-pi & opencv based face recognition system for authorizing users. A photo is captured & emailed through SMTP to the system administrator if an unauthorized user attaches any external device to the system, providing the physical security to system.
- Project Title:** Secure Credit Card Generation & Banking System *Duration: 1 Month*  
**Description:** Implemented Luhn's algorithm to generate credit card numbers for a banking system where a user can create & log into existing account by entering details stored in the SQL database to perform banking functionalities.
- Project Title:** Obstacle Detecting & Avoiding SMART Robotic Car *Duration: 5 Months*  
**Mentor:** Mr. Rohit Tanwar, Ass. Professor at Department of Systemics, UPES  
**Description:** Developed an Arduino & sensors based smart robotic car which could detect obstacles in its way, having clap controls, turning lights on in dark features. The car could turn its direction if obstacle is detected.

## Extra-Curricular

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- ✓ Editorial team member & Speaker at **Connoisseur – UPES Literary Club** (August, 2017 – August, 2018)
- ✓ Session managing executive & volunteer at **International Literature Fest - Valley of Words** (November, 2017)
- ✓ Content writer at **Vultus – the face Shifters, UPES** (August, 2018 – March, 2019)

## Technical Skills

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- ✓ **Languages:** Python, Java, C, C++, MySQL, Socket Programming, HTML, CSS, JavaScript, JQuery, Bootstrap
- ✓ **Other Skills:** Cyber Security (beginner), Internet of Things, Data Science
- ✓ **Operating Systems:** Linux (Kali, Ubuntu), Windows 7 & 10
- ✓ **Soft-Skills:** Mentoring, Project Management, Public Speaking, Time-management, Creativity

## Certifications/Trainings

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- ✓ Cisco Certified Network Associate (CCNAv7)
- ✓ Gold Badges on Hackerrank in Python, C++ & SQL.
- ✓ Deloitte Virtual Internship
- ✓ The Complete 2019 Web Development Bootcamp, Udemy
- ✓ Python Data Structures, Coursera

## Accolades

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- ✓ Dr BR Ambedkar Scholarship by Govt. of Haryana, (March, 2013)
- ✓ Won various awards at school level in discipline, public speaking, volunteering & academics topper.
- ✓ Secured 1st rank in Expressoo 1.0 for Public Speaking & expressing at UPES technical fest, IGNITE (March, 2018)

## Declaration

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***I hereby declare that the above-mentioned information is correct and true to best of my knowledge.***

**Date: April 16, 2020**

**Place: UPES, Dehradun**

**Krishan Kant**