Curriculum Vitae

KRISHAN KANT
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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 or Cybersecurity

Education

Year	Course	School/College	Board/University	CGPA/
2021	B.TECH. - (CSE) with specialization in Internet of Things & Smart Cities	School of Computer Science	UPES	7.20/10
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

❖ **Cybersecurity & Forensics Team - Cyber Cell, Noida Police.**　　　　　　　　　**Duration: 2 Months**
　Technologies worked on: Information Gathering, Vulnerability Scanning**,** Data analysis, Web technologies, GPS & PAN
　✓ 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 make secure transactions no one can make payments outside a PAN. If all the parameters of hassle-free transaction are satisfied, then a payment gateway is triggered. Otherwise, user gets a notification on its authenticated device to allow or cancel the transaction.
　✓ Project-2: Scanning Vulnerabilities of Government Websites
　　○ Submitted a detailed report of gathered information & scanned open ports, possible vulnerabilities of various government websites for enhancing the security of the system & server.

❖ **Web development Intern - Webalves Technologies Pvt. Ltd.**　　　　　　　　　**Duration: 2 Months**
　Technologies used: HTML, CSS, JavaScript, PHP, MySQL
　✓ Project-1: Blood Donation Website
　　○ Developed a simple website for blood donation which saves user details such as name, blood-group & other medical details. Also, anyone can search availability of blood group in particular areas, blood banks and the people who can donate blood.
　✓ Project-2: Vehicles Renting Platform
　　○ Worked on a working responsive website for vehicles renting in which a user can see the availability of vehicles & book it through the website. My prime role was to develop templates & update the database with new & old entries. The data was used for sending emails & texts for discounts & other offers.
　✓ Project-3: To-do List
　　○ Worked on a To-do list app with Python & used SQLAlchemy to manage SQLite Database. This was user-oriented application, which can add, remove & show weekly daily tasks & deadlines along with missed tasks.

❖ **Data Science Team - Bugendai Tech**　　　　　　　　　　　　　　　　　　**Duration: 2.5 Months**
　Technologies worked on: Python, EDA, tesseract-OCR, Open-cv, Image enrichment, Dashboard
　➢ Extracted useful information using 'Exploratory Data Analysis' through graphs and charts from different datasets.
　➢ Researched about 'Chatbot & NLP' to design its working for both generative model & iterative models.
　➢ Created an 'Website Dashboard' to render graphs for analyzed data using HTML components in data science.
　✓ Project-1: 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

MINOR PROJECTS

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.	

OTHER PROJECTS

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

- ✓ 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

- ✓ *Languages***:**   Python, C, C++, MySQL, Socket Programming, HTML, CSS, JavaScript, PHP
- ✓ **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

- ✓ Gold Badges on Hackerrank in Python, C++ & SQL.
- ✓ Deloitte Virtual Internship
- ✓ The Complete PHP Full Stack Web Developer Bootcamp, Udemy
- ✓ Python Data Structures, Coursera
- ✓ Automate the Boring stuff with Python, Udemy

Accolades

- ✓ 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.o for Public Speaking & expressing at UPES technical fest, IGNITE (March, 2018)

Declaration

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*