KHUSHBU CHAUHAN

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EDUCATION

GRADE	INSTITUTE	YEAR OF PASSING	CGPA/%
BTECH (COE)	Indian Institute of Information Technology Sonepat (Mentored by NIT Kurukshetra)	2020	9.0148
XII (CBSE)	O.P.S Vidya Mandir, Karnal	2016	96.4
X (CBSE)	Kendriya Vidyalaya AFS Avadi, Chennai	2014	10

PROJECTS

- **IMPROVING PRIVACY AND SECURITY IN UNMANNED AERIAL VEHICLES USING BLOCKCHAIN**
  Blockchain, Smart Contracts (Solidity), Python, Android (Java), Cyber security| Supervisor: Prof. Mayank Dave, HOD Comp Dept., NIT Kurukshetra | Under Publication in Elsevier Journal of FUTURE GENERATIONS COMPUTER SYSTEM, Impact Factor: 5.7
  This is a research-based project focussed on building a more private and secure UAV based ad-hoc network. The project involves building a unique python and android based simulator for UAVs and the use of blockchain for securing the transactions. The project secures the network from various cyber-attacks.

- **MORSECOMM: Mobile Application Environment for Visually Impaired and Neuro-Muscular Disabled people using Morse Code**
  Android (Java) and Python | Supervisor: Prof. Mayank Dave, HOD Comp Dept., NIT Kurukshetra | Published in IEEE International Conference on Signal Processing and Integrated Networks-2020: https://ieeexplore.ieee.org/document/9071397
  This application is used for inter communication and as a Morse keyboard for writing documents on a personal computer using Morse Code and gesture detection. It provides better, more private and efficient inter communication mechanism for blind and neuro-muscular disabled people.

- **DRAWING TOOL |Node.js and Socket.io**
  Built a basic node.js server and client that receives lines drawn on a canvas in the browser and sends to them the other connected clients so everyone can see and scribble the same doodle.

- **BLOGGERS HUB |Node.js and Semantic UI**
  Real time app that allows a number of users to interact with each other through their blogs.

- **TEXT EDITOR | Python**
  A fully function text editing-application with some cool nifty features developed using Tkinter library of Python.

SKILLS

- Programming Languages: C, C++ (Proficient), Core Java, Python (Basics), Solidity and JavaScript
- Web Development: HTML, CSS, Node.js, Semantic UI, Bootstrap, jQuery, Web3, PHP
- Database: MySQL and MongoDB
- Android Development, Blockchain (Ganache), Smart Contracts (Truffle)
- Udemy FULL STACK WEB DEVELOPMENT Course
- Coding Blocks certified course on ADVANCE DATA STRUCTURES AND ALGORITHMS

Microsoft office, Amazon Web Services (AWS), CodeBlocks, DevCPP, Atom, Remix.

ACHIEVEMENTS AND ACTIVITIES

- SPICMACAY | Committee Head – Cultural Society that organises and manages national and college level cultural
- TECHNOBYTE | Member – Technical Society that organises and manages national and college level technical fest.
- Hosted and participated in various cultural events like dance, skits, etc.
- Served as House Captain and House Vice Captain in student's council O.P.S Vidya Mandir in 12th and 11th respectively.

- Awarded Merit Certificate from District Administration Karnal for meritorious performance in class 12th.
- Awarded Merit Certificate from CBSE for being in top 0.1% students for Fine Arts.

Workshops	Organized technical and cultural workshops in NIT KKR
Personal skills	Leadership, Team player, Adaptability, Hardworking, Inquisitive, Enthusiastic
Hobbies	Reading, Painting, Dancing and playing chess