

**Ashutosh Rawat**

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## ACADEMIC DETAILS

| Year               | Degree/Exam                 | Institute                             | GPA/Marks (%) |
|--------------------|-----------------------------|---------------------------------------|---------------|
| Aug 2018 - Present | B. Tech in Computer Science | Graphic Era Hill University, Dehradun | 8.49          |
| 2017               | C.B.S.E                     | Army public school, Dehradun          | 79 %          |
| 2015               | C.B.S.E                     | Army public school, Dehradun          | 9.6           |

## INTERNSHIPS

- **Privacy with context transfer using DIFFIE HELLMAN KEY, HackerCode,(Nov 2020- Dec 2020):** Develop Diffie-Hellman key exchange, also called an exponential key exchange, it is a method of digital encryption that uses numbers raised to specific powers to produce decryption keys on the basis of components that are never directly transmitted, making the task of a would-be code breaker mathematically overwhelming.

## PROJECTS

- **I-Education Website** (Sep 2020 - Oct 2020): Develop a simple responsive front-end website. Simple web service for a university.
- **Diffie Hellman Key** (Dec 2020 - Jan 2021): Develop Diffie-Hellman key exchange, also called exponential key exchange, it is a method of digital encryption that uses numbers raised to specific powers to produce decryption keys on the basis of components that are never directly transmitted, making the task of a would-be code breaker mathematically overwhelming.
- **Image Encryption and Decryption** (Feb 2021- Mar 2021): Develop a project to provide a GUI-based standalone application that will provide us a medium to both encrypt and decrypt images using one of the cryptographic algorithms provided by the application. It will have 2 separate sections for encryption and decryption processes from where we can select an image file to be encrypted/decrypted and input key/block size for the process
- **Twitter Sentiment Analysis** (Mar 2021- Apr 2021): Develop a project using Python and Natural Language Processing Tool for sentimental analysis of each tweet using the Twitter dataset.
- **NETFLIX-Stock-Analysis** (Apr 2021- May 2021): Performed technical analysis using historical stock prices using python and its inbuilt libraries to fetch and analyze data.
- **Human Pose Estimation Detection**(Jan 2022-May 2022): Develop a python project to detect the human pose from a real-time video feed from an internet-connected smartphone or a webcam using an IP cam application. For detecting poses we will use the OpenCV library and deep learning algorithm to detect all the key points in the image and build a human skeleton using which we will be able to track a person's movement and actions, then the data is used in unity to create animated stimulation.

## TECHNICAL SKILLS

- **Operating System:** Windows
- **Languages:** C, C++, Java, Python
- **Software:** Oracle Database, Microsoft Office, GitHub, VScode, Eclipse, Selenium, TestNG

## TECHNICAL CERTIFICATES

- **Networking essentials course** (CISCO)
- **Introduction to Cybersecurity** (CISCO)
- **Machine learning to Deep Learning** (ISRO)
- **Training on Diffie Hellman Key** (HackerCode)
- **Cyber Security Webinar** (WhizHack)