

# Devang Jain

## Indian Institute of Technology Goa

Third Year **Undergraduate**, Computer Science and Engineering

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### Education

<b>BTech, Computer Science and Engineering: Indian Institute of Technology Goa</b>	CGPA: 8.53/10	2018 - PRESENT
<b>Class 12, CBSE: St. Johns Senior Secondary School, Kota</b>	Aggregate: 94 %	2017 - 2018
<b>Class 10, CBSE: Sarvodaya Senior Secondary School, Kota</b>	CGPA: 10/10	2016 - 2017

### Experience

<b>System/Network Security Intern, Winkl:</b>	(Jan 2021 - Present)
<ul style="list-style-type: none"><li>Responsible for conducting penetration testing and vulnerability assessments to evaluate the security of Winkl products.</li><li>Further, collaborating with the development team to resolve the identified security issues.</li></ul>	
<b>Information Security Research Intern, Center for Technology &amp; Social Change:</b>	(Sept 2020 - Dec 2020)
<ul style="list-style-type: none"><li>Worked on "Information Security Policy Research &amp; Review" that spans across all the various Indian government initiatives</li><li>Performing thorough research and review on Current State, Challenges, Case Studies, Recent Cyberattacks, R&amp;D, Legal Framework, TechStack, and more forefront topics of CyberSecurity in Indian context</li></ul>	

### Key Projects

<b>LSB Image Steganography Tool:</b>	(Aug 2020)
<ul style="list-style-type: none"><li>Implemented Least-Significant Bit Steganography technique to hide messages inside an image of type RGB &amp; RGBA by replacing each pixel's least significant bit with the bits of the message to be hidden.</li><li>Used prevalent Pillow and NumPy Libraries to write the Python Script</li></ul>	
<b>Python KeyLogger:</b>	(July 2020)
<ul style="list-style-type: none"><li>Built a type of monitoring software designed to record keystrokes made by a user into a website or application</li><li>Implemented the tool using the pynput library of Python</li></ul>	
<b>Client-Server System Simulation:</b>	(Feb 2020)
<ul style="list-style-type: none"><li>Developed and simulated a basic Client-Server System under the guidance of Dr. Neha Karanjakar, IIT Goa</li><li>Strengthened Python Socket Programming Skills during the Computer Networks Course</li></ul>	
<b>Institute Placement Cell Portal, IIT Goa:</b>	(July - Nov 2019)
<ul style="list-style-type: none"><li>Performed various tasks to automate and facilitate the process of placements and internships and to centralise the data management</li><li>Actively contributed in the UI/UX designs and developed components for portal's enhancement and security</li></ul>	

### Skills

<b>Programming Languages:</b>	Python, C/C++, Javascript, Java
<b>Computer Networking:</b>	TCP/IP, HTTP(S), DNS, Firewalls, IDS/IPS, VPN, Tor, Switching & Routing, Protocol Layers & OSI Model, Cryptography
<b>Information Security:</b>	Kali Linux, Web Application Security, VAPT, Wireshark, Burp Suite, Metasploit, Nmap, Digital Forensics, OSINT
<b>Web/App Development:</b>	HTML, CSS(Bootstrap), jQuery, Flask, Django, NodeJS, MySQL, MongoDB, Android Studio, Git, PyTorch, Streamlit, Heroku
<b>Relevant Coursework:</b>	Computer Networks, Software Systems, Data Structures and Algorithms, Operating Systems
<b>Content Creation:</b>	Adobe Creative Suite (Photoshop, Illustrator, InDesign, Premiere Pro, After Effects, XD), Audacity, Spark AR Studio

### Certifications

<b>Google IT Support Specialization:</b>	Google, Coursera
<b>Become an Ethical Hacker:</b>	Lisa Bock and Malcolm Shore, LinkedIn Learning
<b>Introduction to Cyber Security Specialization:</b>	New York University, Coursera
<b>CNSS Certified Network Security Specialist:</b>	International CyberSecurity Institute, UK

### Positions of Responsibilities

<b>General Secretary, Academics:</b>	Head position of IIT Goa Student Academic Council, leading more than 14 student representatives	(2020 - Present)
<b>Class Representative:</b>	Class Representative of IIT Goa CSE Batch of 2018, handle all the issues related to academics of our batch	(2018 - 2020)
<b>Film &amp; Photography Club:</b>	Head of Film and Photography Club, Originals IIT Goa [YOUTUBE]	(2019 - 2020)
<b>Student Design Team:</b>	Founder and leader of a team of designers responsible for illustrations and graphics for college events	(2019 - 2020)
<b>InfoSec Club:</b>	Core Member of Information Security Club of IIT Goa, participating actively in CTFs, RVDPs, etc	(2020 - Present)
<b>Mentorship Program:</b>	Selected to Mentor 2 Students of IIT Goa	(2019 - Present)

### Achievements

- Selected and awarded Certificate of Appreciation for poster presentation in ACM India Winter School on CyberSecurity (2020)
- Winner of HackQuest Capture The Flag Contest organised by GirlScript Foundation (2020)
- Selected as KVPY Scholar by Indian Institute of Science (IISc), Bangalore (2018)
- Selected as NTSE Scholar by National Council of Education Research and Training (NCERT), Government of India (2016)

### Extracurriculars and Hobbies

- Passionate Photographer and Video Editor, was in the team that represented the institute in IIT Alumni Council Music Video Competition 2020 and achieved Runner Up position. Also, led the team in BITS Goa Waves 2019 Short Filmmaking Contest and achieved First position
- Occasional Freelance Graphic Designer, have designed for College's Cultural and Sports Fests, Student Magazines and illustrated various Club logos