

# Apoorv Kotnala

CYBER SECURITY | CODER

## Professional Profile and Objective

A competent individual looking for an opportunity to be a part of an esteemed organization, allowing me to utilize my education while gaining valuable work experience in a team-oriented environment.

### Work Experience

#### Media Is You Pvt. Ltd.

10 Jun 2019 - 19 Jul 2019

- Vulnerability Assessment and Penetration Testing.
- Hands on experience in conducting web application penetration testing using both open source and proprietary tools such as Burp Suite, ZAP, SqlMap, etc.

#### Defense Research and Development Organization

8 Jun 2018 - 20 Jul 2018

- Security Analysis of Web Applications and Operating Systems.
- Hands on experience in finding vulnerabilities in network, OS, Protocols, IoT, NMAP, python scripting and knowledge of OWASP Top 10.

### Academics

#### Maharaja Agrasen Institute of Technology

Aug 2016 - Oct 2020

B.Tech. in Computer Science Engineering  
CGPA - 7.65

#### The Air Force School

Apr 2015 - Mar 2016

10+2 CBSE : Percentage - 91.2%

Apr 2014 - Mar 2016

10 CBSE : CGPA - 9.8

### Research Paper

- Research Paper published in "International Conference on Innovative Computing & Communications (ICICC) 2020" on "Obfuscation Based Security Protocol for Wireless Network".
- Paper available at SSRN:  
<https://ssrn.com/abstract=3643489>.

### Projects

- **cryptool**  
Cryptography tool coded in python3 for linux CLI terminal where a user can both encrypt and decrypt a message using many cryptographic techniques like Caesar, Vigenere, Affine and DES.
- **shodanAT**  
Project coded in python3 for linux CLI terminal where a user can automate the process of fetching data from the database of <https://shodan.io> using the shodan API.
- **e-yantra 2k18**  
Team project based on Real Time Flight Simulation of Drone. Worked with ROS and V-REP using python and lua.

### Achievements and Interests

- GATE 2020 qualified.
- Semi-finalists in e-yantra 2018
- Member of Music Society of MAIT: Affinity.
- Coordinator in college Annual Fest 2017.
- Member for an NGO: Leaders For Tomorrow (LFT).



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<https://github.com/apoorvkotnala>



<https://www.linkedin.com/in/apoorvkotnala/>