APOORV KOTNALA

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Professional Profile & 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.

Academic Qualification

➢ B. Tech:
  Maharaja Agrasen Institute of Technology, Rohini Sec - 22, Delhi – 86.
  Bachelor of Technology in **Computer Science Engineering** (CSE)
  Course Duration: **2016 - 2020**
  Current CGPA: **7.67**

➢ 12th:
  THE AIR FORCE SCHOOL, SUBROTO PARK, Delhi Cantt. – 110010
  CBSE Board Examination
  Course Duration: **2015 - 2016**
  Percentage: **91.2%**

➢ 10th:
  THE AIR FORCE SCHOOL, SUBROTO PARK, Delhi Cantt. – 110010
  CBSE Board Examination
  Course Duration: **2013 - 2014**
  CGPA: **9.8**

Internships and Trainings

➢ **Summer Internship 2019:**
  Company: **Media Is You Broadcasting Pvt. Ltd.**
  Duration: 10/06/19 to 19/07/19
  Discipline: **Vulnerability Analysis and Penetration Testing**
     Successfully completed training in 2019 under Mr. Pradeep Kumar Rajput. Internship was on "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.

➢ **Summer Training 2018:**
  Defense Research and Development Organization (DRDO)
  Duration: 08/06/18 to 20/07/18
  Discipline: **Security Analysis of Web Applications and Operating Systems**
     Successfully completed my training in 2018 under Scientist 'D' Vinay Verma. Training was on "Security Analysis of Web Application and Operating Systems". Hands on experience in finding vulnerabilities in network, OS, Protocols, IoT, NMAP, python scripting and knowledge of OWASP Top 10.

Research Work

- 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

Certifications

➢ Udemy Online Course:
  Topic: **Mathematical Cryptography: Crack the Code**
  Completion: 27/03/2019

➢ Udemy Online Course:
  Topic: **Networking Hacking and Penetration Testing as Black Hat**
  Completion: 06/10/2018

➢ Coding Blocks
  Topic: **JAVA CRUX**
  Completion: 23/11/2017

Technical Skills & Languages Known

- Comfortable in **C++, Python.**
- Worked on **C, Java.**
- Firm grasp over **Data Structures** and **Algorithm.**
- Familiar with **HTML5, CSS3** and **JavaScript.**
- Experience in **Cyber Security** and **Cryptography.**
- **Vulnerability Analysis** and **Penetration Testing.**
- **OWASP Top 10.**
- Worked on tools like **METASPLOIT, NMAP, SQLMAP, BURPSUITE, OWASP ZAP, XSSER, etc.** for **VAPT**.

Projects

✓ **Cryptography Tool**
  o personal project on cryptography 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.

✓ **Shodan Automation Tool**
  o personal 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.

✓ **Drone Flight Simulation**
  o participated in a competition held by IIT-Bombay in which our team worked on the Real Time Flight Simulation of Drone. Worked with ROS and V-REP using python and lua.

Activity and Interests

- Have been a member of Music Society: Affinity**.**
- Coordinator in college annual fest 2017.
- Active coder.
- Member for an NGO: Leaders For Tomorrow (LFT).
- Competed in E-yantra Robotics Competition by IIT-Bombay.

Achievements

- **GATE 2020** qualified.
- **Semi-finalists** in **e-yantra** 2018 Robotics Competition by IIT-Bombay.
- Highest school marks in **Computer Science** in CBSE boards 2016.

Personal Details

Name	**:**	APOORV KOTNALA
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GitHub	**:**	https://www.github.com/apoorvkotnala