Sharad Agarwal

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EDUCATION	**Vellore Institute Of Technology**, Chennai, Tamil Nadu, India	Expected May 2018

- B.Tech, Computer Science and Engineering, GPA(after 4 semesters): 9.09 / 10.0

Brightlands School, Dehradun, Uttarakhand, India
- ISC Board Class 12th, Percentage - 93.2   Apr 2012 – Mar 2014

Ann Mary School, Dehradun, Uttarakhand, India
- ICSE Board Class 10th, Percentage - 92.8   Apr 1999 – Apr 2012

RESEARCH EXPERIENCE

Cyber Cell, Gurugram Police, Haryana   Jun 2016 – Jul 2016
- Cyber Security Intern
  - Developed a comprehensive CDR(call data record) analyser.
  - Trained by professionals from Ministry Of Defence and Gurugram Police.
  - Supervised by OWASP and other government organizations like Jharkhand Cyber Cell and CERT.
  - Learnt about Cyber Laws prevelant in India - IT Act 2000.
  - Guide: Mr.Rakshit Tandon, Cyber Security Adviser to Government Of India.

WORK EXPERIENCE

DERT(Doctors Emergency Rescue Task) App, Dehradun, Uttarakhand   May 2016 – Jul 2016
- Founder and Database Administrator
  - Lead a team of 4 developers to build an IOS and Android App.
  - Developed an app for doctors to secure from violence against doctors and hospitals.
  - Proposal accepted by Indian Medical Association.
  - Successfully used by more than 130 doctors.

PROJECTS

CollegExplorer   Nov 2015
- Founder, Technical Team Lead and Frontend Developer.
  - Co-led a team of 3 students to build a webapp.
  - Provides information about top 40 engineering colleges in India along with a Q/A forum.
  - Technical Stack: HTML/CSS, JS, Jquery, PHP, AWS.

Converting Router to Wifi Pineapple   Aug 2016
- Reducing the cost of the device to 1/5th.
- Flashed OpenWrt to TP Link MR TL3020 and attached a USB device as a secondary storage.
- Network Pentesting by deploying scripts and using Aircrack-NG and Wireshark.

Model and Simulation of 3D Printer   Apr 2016
- Hardware built using bearings, steel rods and acrylic sheets.
- The model was completed using stepper motors.
- Code runs on Arduino which moves the stepper motor back and forth.

ACCREDITATION
- Red Hat Certified System Administrator   Jan 2016
- Microsoft Windows and Mobile App Development   Nov 2014

ACTIVITIES AND AWARDS
- Founder and Acting President, OWASP VIT Student Chapter.
- Organizing Committee Member, Vibrance'15,16 - Cultural Fest.
- Organizing Chairperson, Workshop of Competitive Programming under ISBCC.

INTERESTS AND SKILLS	**Cyber Security**: Web Application Security(Vulnerability Assessment and Penetration Testing), Cyber Forensics(Email, Banking, ECommerce, Social Engineering), CyberLaws. **Technical**: Python, WebDev Languages(HTML5/CSS,Javascript,PHP). **DevOps**: Linux(MAC OS, Red Hat, Kali), Git, AWS EC2. **Interests**: Cyber Security, Cyber Forensics, Networking, Artificial Intelligence, Machine Learning.