Abhishek **Shah**

RISING DEVELOPER · ASPIRING SECURITY EXPERT

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Education

Columbia School of Engineering and Applied Science   *New York City, New York*

B.S. IN COMPUTER SCIENCE WITH A FOCUS IN CYBER SECURITY AND SOFTWARE SYSTEMS   *Fall 2016 - PRESENT*

- Coursework: Data Structures, Linear Algebra, Economics

Louisiana Tech University   *Ruston, Louisiana*

B.S. IN CYBER ENGINEERING   *Fall 2015 - Spring 2016*

- President's and Dean of Engineering's List; GPA: 4.0
- Recipient of National Merit Scholarship
- Coursework: Science of Computing, Engineering Problem Solving, Digital Design, Microprocessors, Calculus, Differential Equations

Experience

Postlethwaite & Netterville Technologies   *Baton Rouge, Louisiana*

SECURITY ENGINEER   *Summer 2016*

- Learned about VLANs, routing, switching, firewalls, SANs, LDAP, AD, and other networking technologies
- Conducted vulnerability assessments, penetration testing, forensic analysis, and partial risk assessments like SOC II
- Developed a phishing framework leveraging open-source software
- Wrote Python programs to automate the process of report creation for penetration tests, social engineering tests, and vulnerability assessments

Personal Projects and Competitions

- Hacked a Tx/Rx pair by reverse engineering the signal and recreating it with a software-defined radio
- Coded an application that automatically uploaded events to your calendar from pictures of flyers using Tesseract OCR
- Modeled the functionality of an Amazon Echo with a Raspberry Pi at hackUTD
- Developed a web app that notifies students if a class seat they need has opened up at Louisiana Tech
- Wrote a Python script to automate a business's inputting of data into spreadsheets
- Placed in the top 100 in the U.S. in the IEEE Xtreme Programming Competition

Extracurricular Activities

Columbia Intrusion Detection Systems Lab   *New York, New York*

STUDENT RESEARCHER   *Fall 2016 - PRESENT*

- Improving dynamic fuzzing software to include hardware feature utilization particularly with the Skylake processor

Association of Cyber Engineers (ACE)   *Ruston, Louisiana*

ELECTED OFFICER   *Fall 2015 - Spring 2016*

- Delivered presentations on cryptography and software-defined radio
- Acquired knowledge in cybersecurity tools such as Wireshark and Linux

Languages and Technologies

12+ months, Python; BASH;

6+ months, C; HTML; CSS; Javascript; SQL; Node.js; Ruby; MongoDB

1+ months, Java; C++; jQuery; Bootstrap; LaTex; AngularJS

Developer Tools, Git; Visual Studio; Cloud9; Vim; AWS; Azure; Docker; IFTTT

Networking Tools, Cisco iOS; Junos; OpenStack;

Security Tools, Linux; VMWare; Virtualbox; Wireshark; Metasploit; Nessus;

Frameworks, Flask; Web2Py; Django; Sinatra

IoT Devices, Arduino; Raspberry Pi; Beaglebone Black; NodeMCU; Particle Photon; Pocket Chip