Abhinav Mishra

Phone: (650) 224 5360

LinkedIn: www.linkedin.com/in/AbhinavMishra3004 **amishr47@asu.edu**

EDUCATION

MS in Computer Engineering, Arizona State University CGPA 3.11 May 2020

B.Tech. in Electronics and Communication Engineering, SRM University CGPA 3.40 May 2018

PROFESSIONAL EXPERIENCE

Co-Founder, MoneyBhaii (www.moneybhaii101.weebly.com) A Coupon booklet company giving amazing discounts and deals on various restaurants on the famous street of Hudson Lane, India. Some of the responsibilities involved meetings with various restaurant managers to propose them the idea of coupon booklet. Coaching Interns to develop interpersonal communication skills so that they approach the customers and convince them efficiently. Meetings with many college representatives for sponsoring events happening in the college festivals.

PROJECTS

Development of Secure Banking System & Testing [2019]: I worked with my assigned team as part of my curriculum to develop a Secure Banking system where I worked on the front-end segment of the website. The overall object is to test the system for vulnerabilities and resistance from various type of attacks.

AES (Applied Encryption Standard) Implementation and Attack [2018]: Implementation in C++ Language. Contributed in searching various Attacks on AES such as Flush & Reload and more specifically Hardware Attacks (SCA-Side channel attacks) like CPA (Correlation Power Analysis) and DPA (Differential Power Analysis) attacks.

Smart bag with Biometric Authentication & Implementation of Big Data [2017]: We developed a smart bag which can be accessed via our smartphone's fingerprint sensor to Lock/Unlock. A dedicated website was launched to track location of bag, do various searches for restaurants, Hill stations, etc. Also, Big Data synthesis was done on the R-Pi inside the bag for offline access.

NASA-CANSAT [2016]: The overall Satellite system was expected to be composed of two primary components, a glider and a re-entry container that protects the glider during ascent. I Worked in the implementation of communication system of the Glider and installed GPS (to track) and XBee module (on Zigbee protocol) to communicate to the base station with us. Also, I was involved in selecting and testing the various power sources for the Glider.

Google Project ARA [2015]: A multiple round competition where we purchased components of a smartphone such as camera, processor, GPU etc. in an auction where a limited Virtual Currency was provided. A smartphone with these parameters was designed and in the final round promoted to the judges and students. We Secured 2nd position in the event as a part of Google fest Hangout'15.

TECHNICAL SKILLS

Language: Python, C/C++, html, JavaScript, Matlab

Tools: Kali Linux – Metasploit, Wireshark, NMAP, Nexpose, Veil & Empire, Weekly, Bash, Pre & Post Network Connection Attacks, maltego, BeEF, OWASP ZAP, SQL Injection; CCNA- Packet Trainer, Apache Pig

COURSES

Fundamentals of Algorithm, Applied Cryptography, Software Security, Communication Network Protocols, Cryptography &Network Security, Information Theory & Coding

ONLINE COURSES

UDEMY: Python, Ethical Hacking. **VTC Internshala:** Ethical Hacking, Internet of Things**. Coursera:** Introduction to Marketing by University of Pennsylvania, Web Connectivity & Security in Embedded Systems (EIT Digital). **NPTEL:** Introduction to Machine Learning, Design of Internet of Things, Embedded Systems Design.

CLUB & ORGANISATION

Brand Master, IEEE ASU Student Branch August 2018 – Present

INTERNSHIPS

SPIRO SOLUTIONS: Worked with microcontrollers (BOLT and Arduino) on starter hands on project. Blinking LED, Potentiometer, GPS and GSM for sending Location as Text message, RF-ID Lock, UV sensor alarm system, uploading Sensor data to ThingSpeak.

PUBLICATION

Design of Self Writing Smart pen using Optical Character recognition and miniaturized Projector: We designed a prototype of a smart pen that can write on by itself. It can be easily accessed to save notes or searching and writing automatically. Worked in designing the smartpen and included various unique features such as OCR, Voice recognition. Source: JARDCS – Scopus Index(Elsevier).