

Amar Lakshya

+44 7873 957 151
+91 9412 256 677

amar-laksh.github.io
[amar-laksh](https://github.com/amar-laksh)
amar.lakshya@protonmail.com

Flat 20
Jarratt Hall, Dale Road
Birmingham, UK - B29 6FQ

‘A Chemical Computer computing on Digital Computers’

Projects & Contributions

- April 2020 **LOGI'S CIRCLE OF SECURITY** : github.com/amar-laksh/Logitech_pentest/blob/master/Report.pdf
- A full Penetration test conducted on Logitech's Circle camera.
 - The test showed that the Logi Circle is well-secured.
- October 2019 **FOS - MADE TO BE OPEN** : github.com/amar-laksh/fos
- A Monolithic UNIX-like Kernel for the x86 and ARM (Raspberry Pi) platforms.
 - ELF Parsing(with kernel parsing), PCI, Serial (ARM), Western Notes for PC Beeper and System Calls.
- November 2019 **TRYINGTOKNOWYOUBETTER** : github.com/amar-laksh/TryinToKnowYouBetter
- The Indian Election Commission's website leaks data that can be analysed to effectively locate all registered voters.
- September 2018 **CACHE PATCH (CORE), MOZILLA CONTRIBUTION** : [git log | grep amar on codebase](https://gitlog.grep.amar.on.codebase)
- Worked on patching cache entries that expire immediately in the Cache core of Mozilla codebase.
 - Affects all Mozilla programs including Firefox and Thunderbird.
- April 2018 **VITAE** : github.com/amar-laksh/vitae
- An Esoteric, Interpreted python-built language built entirely with regular expressions.
 - Designed to introduce non-technical people to programming.
- July 2017 **REPLAYCER** : addons.mozilla.org/en-US/firefox/addon/replaycer
- A fun Browser Add-on to replace content on the web that replaces live content like twitter feeds etc.
- March 2017 **STUDY OF CAPTCHAS** : amar-laksh.github.io/2017/03/16/CAPTCHAs-on-ceo-sites.html
- An extensive study of CAPTCHA systems present on The Election Commission Of India's websites across all the states in India.

Work Experience

- Sept 2018-Feb 2019 **SYSTEMS ENGINEER (LEAD): Nymble Labs (Bangalore)**
- Revamped the entire software architecture to produce reliable, clean OOP code.
 - Implemented the next iteration of the product using C++ 14, ROS2 and Qt5.
- Dec 2017-July 2018 **SOFTWARE ENGINEER - INTERN: Nymble Labs (Bangalore)**
- Designed a ROS2 based distributed software architecture of the system
 - Wrote a Qt5 based display application for the on-board display.
- July 2017-Sept 2017 **JUNIOR DEVELOPER (LINUX) - INTERN: Apogee Tech Global Inc. (Bangalore)**
- Designed a cross-platform architecture for the Internet Security Suite
 - Implemented the application on Windows, Mac, & Linux using Electron, React and Redux

Publications & Certifications

- Aug 2019 **COMPTIA SECURITY+ CERTIFICATION** : youracclaim.com/badges/3ed437c4-0623-4e26-bdc7-4b9c58fc8bab
- Earners of the CompTIA Security+ certification have the knowledge and skills necessary to perform core security functions required of any cybersecurity role.
- Jan 2015 **CROSSED & KNOTTED** : amazon.in/Crossed-Knotted-Various-Authors/dp/8192997529
- Co-Author of Limca Book of Records winning - India's First Composite Novel - written in collaboration with 12 Authors.

Education & Skills

MSc. Cyber Security,
University Of Birmingham, UK

Sept 2019 - Sept 2020

Distinction Expected

Topics Covered:

- Cryptography and Data Analysis
- Operating Systems and Network Security
- Forensics and Malware Analysis
- Embedded Systems and Penetration Testing

BSc. Info. Technology,
St. Xavier's College, India

July 2014 - July 2017

2:1

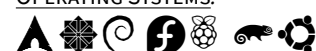
Topics Covered:

- Applied Mathematics
- C++ Programming
- Operating Systems
- Computer Graphics
- Artificial Intelligence
- Data Warehousing and Mining

PROGRAMMING LANGUAGES:



OPERATING SYSTEMS:



APPLICATIONS & FRAMEWORKS:



DATABASES:

