

Hrushikesh Kakade

<https://www.hkh4cks.com>

Email : hrushi.kakade@protonmail.com

Mobile : +91 8551005874

EDUCATION

- **Bachelor of Engineering in Computer Science** 2014 – 2018
Maharashtra Institute of Technology, Pune; Aggregate: 73.50% Pune, India
 - **University:** Savitribai Phule Pune University (formerly University of Pune)
 - **Selected Coursework:** Engineering Mathematics, Data Structures and Algorithms, Operating Systems, Microprocessor Architecture, Database Management Systems, Theory of Computation, Computer Networks, Digital Signal Processing, Intelligent Systems, Data Mining, Cyber-Security
- **Higher Secondary Certificate (HSC)** 2012 – 2014
Fergusson College, Pune; Aggregate: 80.50% Pune, India

CERTIFICATIONS

- **Certified Ethical Hacker (CEHv9)** 2017
 - Certification Number: ECC49840339948
- **Offensive Security Certified Professional (OSCP)** 2018
 - Student ID: OS-101-015437

PROJECTS

- **Host-based Intrusion Detection System (HIDS):** Final year project for my undergraduate course. Working in a team to develop a Host-based Intrusion Detection System using Log Analysis to monitor machines in real time and visualize stats on a dashboard. Technologies used: C, XML, ELK stack.
- **Enum.py:** IP address based service enumeration tool for penetration testing, mostly used for Capture The Flag (CTF) competitions. Technologies used: Python.
- **Linux-like kernel:** Developed OS kernel bare-bones for Intel 32-bit x86 architecture to understand the work-flow of Linux operating system. Technologies used: x86 Assembly and C language, Qemu for emulation of the kernel.

TECHNICAL SKILLS

- **Proficient:** C, C++, Python, x86 Assembly, Shell-scripting, Git
- **Familiar:** Java, Javascript, HTML/CSS, Ruby, Perl
- **Databases:** SQL, MongoDB
- **Security Tools:** BurpSuite, Nessus, Metasploit

ACTIVITIES

- **Smart India Hackathon** 2017
 - As a team leader, successfully executed given concept of Person Identification System using keystroke dynamics, and was selected in top 50 teams by ISRO ministry.
- **Hack The Box Top 10 Hall of Fame** 2017
 - Successfully completed small scale penetration testing lab project on Hack The Box platform and rewarded through gamification model, Top 10 Hall of Fame badge.
- **Speaker at Null meet-up** 2017
 - Presented a talk on "Powershell scripting for penetration testers" topic at Null meet-up, which is a community for cyber-security enthusiasts.
- **MIT Computer Users Group (MCUG)** 2015 – Present
 - Core team member of institution group MCUG that promotes open source development and conducts various technical workshops and seminars.
- **Online Courses (Certifications)** 2016 – Present
 - **PentesterLab:** Introduction Badge, Essential Badge, White Badge
 - **Cybrary:** Advanced Penetration Testing
 - **Pentester Academy:** Powershell for Pentesters
 - **Offensive Security:** Penetration Testing with Kali Linux