

# MUKHILAN PARI

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## EMPLOYMENT

<b>Cyber Security Analyst</b>	<b>Honeywell</b>	<b>Aug 2019 - Present</b>
<ul style="list-style-type: none"><li>• Application Threat Modelling and Application Risk Exposure.</li><li>• Security planning, testing, verification and risk analysis on web application, Mobile(Android &amp; IOS) and Thick client (Manually).</li><li>• IOT Security: Exploitation of UART, JTAG, USB Killer etc.</li><li>• Automating the tasks using python &amp; bash.</li></ul>		
<b>Cyber Security Analyst, Intern</b>	<b>Honeywell</b>	<b>Jan 2019 - Aug 2019</b>
<ul style="list-style-type: none"><li>• Hosted 2 CTFs for Internal team competition.</li><li>• Perform web application, mobile application and network penetration tests.</li><li>• Doing research and reporting new vulnerabilities/technologies.</li></ul>		
<b>Web Developer, Intern</b>	<b>Ipower solution</b>	<b>Apr 2017 - June 2017</b>
<ul style="list-style-type: none"><li>• Developed e-commerce site for a small-scale business.</li></ul>		

## LANGUAGES, TECHNOLOGIES AND SKILLS

- Languages: English and Tamil.
- Programming Languages: Python, Go, Java & bash.
- Security Tools: Burp Suite, OWASP ZAP, Nessus, Appspider, Metasploit, Kali Linux toolsets, Wireshark, Nmap, SQLMap, Nikto, gobuster.
- Web Application & API Security: Session Hijacking, Denial of Service (DDoS), Clickjacking, Exploit Analysis, OWASP Top 10, Data Tampering, Postman, SoapUI.
- Mobile App Security: Frida, Xposed, Rooting, Static code Analysis through Qark, mobSF, Androbugs framework, API testing, Insecure data storage, reverse engineering.
- Thick client: Static Analysis, Memory Analysis, Reverse Engineering, Log tampering, Fuzzing, DLL injection, process(monitor, control & analysis),
- IOT & Firmware Security: UART, JTAG, USB Killer, Binwalk, sasquatch, FACK\_code.

## EDUCATION

<b>Coimbatore, India</b>	<b>Amrita School of Engineering</b>	<b>July 2015 - May 2015</b>
<ul style="list-style-type: none"><li>• B.Tech. in Computer Science and Engineering. CGPA: 8.03/10.</li><li>• Main coursework: Data Structures, Design &amp; Analysis of Algorithms, DBs, Operating Systems, Cryptography and Security.</li><li>• Volunteered in Organizing a cyber security workshop in Anokha'16.</li><li>• Organized a Python workshop in Anokha'17.</li></ul>		

## PROJECTS AND PUBLICATIONS

- Multi-Factor Authentication Scheme for Online Examination (May 2018): Presented a paper based on multi-factor authentication in 3rd international conference on recent trends in engineering and technology. The paper focuses on a multi-factor authentication scheme specifically designed for securing online examination without compromising user friendliness.  
link: <https://acadpubl.eu/hub/2018-119-15/4/783.pdf>
- Android based Payment Wallet using firebase for authentication, database and storage.
- Home Automation using raspberry pi.

## ACHIEVEMENTS AND CERTIFICATIONS

- Certified Ethical Hacker (V9), 2018.
- Course Certification In Cisco Certified Network Associate(CCNA) ,2017.
- Active CTF player as Catamob: with team <https://ctftime.org/team/26569> (DarkArmy) - India 7th place
- 3 Bravo award and 1 Project appreciation in Honeywell.