SAI PUTRAVU

BSc Computer Science | University of Manchester | Graduating 2024

@ aputravu1234@gmail.com   https://github.com/saiputravu
in https://www.linkedin.com/in/sai-putravu/

EXPERIENCE

Cyber Security Intern
F-Secure

📅 Jun 2021 - Sep 2021   📍 London, UK

- 5 Weeks of training including topics such as Application Security, Mobile Security, Network Security, Cloud Security, Hardware Security and Reverse Engineering.
- 4 Weeks of research, reverse engineering Valorant's kernel-mode anti-cheat, proprietary VMProtect software and development of kernel-mode drivers as well as reversing undocumented windows API methods.
- 20 minute talk presenting findings to colleagues and interns, accommodating for all skill levels.
- Mock security assessment involving scoping, reconnaissance, vulnerability exploitation and reporting.
- Shadowing External Asset Management team, involving but not limited to passive sub-domain discovery and ip address discovery.

Software Engineer Intern
Airbus

📅 Apr 2019 - 1 Week   📍 Bristol, UK

- Development of virtual reality technology to be useful in maintaining A330 family
- Experience with virtual reality technology and presented a talk on findings

AWARDS AND HONOURS

- Arkwright Scholarship | *2019 - 2021*
- Physics Olympiad Silver | *2020*
- Silver Industrial Cadet | *2019*
- Maths Olympiad Kangaroo | *2018 - 2019*
- Maths Olympiad Gold | *2017*

COMPETITIONS

- Worldskills Shanghai Squad UK Contender | *2022*
- Worldskills UK National Gold Medallist | *2021*
- Cyber Centurion VII National Winner | *2021*
- Google Code-In 10 2nd Place | *2020*
- UK/US International Future Cyber Leader | *2019*
- Cyber Centurion V/VI National Runner Up | *2019 - 2020*
- Santander CSC UK Nationals 3rd | *2019*
- Cyber Discovery Elite Finalist | *2018 - 2020*

EDUCATION

A Levels
Pate's Grammar School

📅 2019 - 2021   📍 Cheltenham, UK

- A* - Computer Science
- A* - Maths
- A - Further Maths
- A - Physics
- A* - EPQ

GCSEs
Abbeywood Community School

📅 2014 - 2019   📍 Bristol, UK

- 1 x Grade A ^ - Further Maths
- 1 x Grade A * - Finance
- 4 x Grade 9 - Maths, Biology, Physics, Chemistry
- 3 x Grade 8 - English Literature, Religious Studies, Computer Science
- 2 x Grade 7 - Physical Education, English Language
- 1 x Distinction - English Speaking

CERTIFICATION

- GIAC Certified Forensic Examiner (GCFE)
  - Scored 93%
  - Expires November 30th, 2024

PROJECTS

Open Source

- NS-3 Network Simulator | `C++` `Python`

Hobby

- ELF Binary Debugger | `C`
- ELF Binary Header Parser | `Python`
- Binary exploitation PoCs | `C` `Python`
- 64bit kernel and bootloader | `C++` `x86`
- Summarising news articles using Natural Language Processing | `Python` `CSS` `HTML`
- Subdomain reconnaissance tool | `Bash` `Python`
- Physics simulation engine | `Python`