

Nofil Qasim

Malware Researcher

Passionate about low-level programming and Computer Security.
Specifically interested in conducting research on malware, and binary and kernel exploits.

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Punjab, Pakistan
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EDUCATION

BACHELOR OF SCIENCE

Computer Science
PUCIT - University of the Punjab
2019 – 2023
CGPA: 3.56/4.00

A LEVEL

Lahore Grammar School
2017 – 2019
1 A, 3 B

O LEVEL

Aitchison College
2007 – 2017
2 A*, 7 A

SKILLS

OS

GNU/Linux, Windows + WSL

LANGUAGES

C/C++, Python, Java, Visual Basic

TOOLS

Ghidra, Radare 2, GDB

OTHERS

Reverse Engineering, Git,
Malware Analysis, LaTeX,
Binary Exploitation

COURSES

Malware Analysis

TRYHACKME

Incident Response and Forensics

TRYHACKME

Reverse Engineering 101

MALWARE UNICORN

WORK EXPERIENCE

11/2021 – PRESENT Ebryx Pvt. Ltd.

Malware Researcher

DEPARTMENT: SECURITY R&D

Malware Analysis

Malware Research

07/2021 – 09/2021 Systems Limited

Intern

DEPARTMENT: INFORMATION SECURITY

SOC

Pentesting

02/2021 – 06/2021 PUCIT

Undergraduate Teaching Assistant

COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE

Lab Design and Grading

Assignment Design and Grading

Lab Invigilation

ACHIEVEMENTS

2018 ARSSDC

Runner Up

LAHORE GRAMMAR SCHOOL (TEAM EFFORT)

Designed the automation and IT security plan for the space settlement

2018 AMES Space Settlement Design Competition

3rd Place

LAHORE GRAMMAR SCHOOL (TEAM EFFORT)

Designed the automation and IT security plan for the space settlement

PROJECTS

12/2019 – PRESENT Capture the Flag

Cyber Security

Played Jeopardy Style CTFs

Experience with Binary, Reverse Engineering, PCap, Crypto, Web and Misc

10/2021 – PRESENT OS Development

C & i386/amd64 asm

<https://github.com/papadoxie/Operating-System>

Kernel Development (In Progress)

User Space Development (In Progress)

11/2020 Hack Assembler

C

<https://github.com/papadoxie/Hack-Assembler>

Assembles Hack Assembly into Hack Machine Code

Two Pass Assembler

Uses properly managed File Handlers, Data Structures, Structs and Dynamic Memory

LANGUAGES

English
Urdu

Bilingual
Native

8/2021 – PRESENT **Scripts**

<https://github.com/papadoxie/Scripts>

Scripts I have written for some past challenges that I might use for future reference

Python

06/2019 – 07/2019 **Discord Bot**

<https://github.com/papadoxie/Bottinsation>

Uses youtube-dl, discord.py and asyncio

Full Music Functionality and Queue and Loop Implementation

Python

ORGANIZATIONS

02/2021 **PUCIT Cyber Security Society (Cyber@PU)**

CO-FOUNDER

Budding society to foster security culture in the university

PUCIT

09/2020 **Google Developer Student Club**

DEVELOPER LEAD - CYBER SECURITY

PUCIT

02/2021 **BSides Pakistan**

UNIVERSITY LEAD

Helping spread awareness about IT security and empowering students to join the security field

BSides