

# Nofil Qasim

## Malware Researcher

Passionate about low-level programming and Computer Security.  
Interested in researching Linux or Android kernel exploits.

Lahore (54000)  
Punjab, Pakistan  
Phone : +92 3028445808  
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LinkedIn : nofil-qasim  
TryHackMe : papadoxie  
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## EDUCATION

### BACHELOR OF SCIENCE

Computer Science  
PUCIT - University of the Punjab  
2019 – 2023  
CGPA: 3.54/4.00

### 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 Cutter, GDB

### OTHERS

Reverse Engineering,  
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

Basics of Linux Usermode and Kernel Exploitation  
Windows Kernel Exploit PoC Testing  
Windows Malware Deployment Techniques  
AV and EDR Evasion Techniques  
Security Tool Bypass Techniques (Applocker etc.)  
Active Directory Compromise  
Red Team Activities

### 07/2021 – 09/2021 Systems Limited

Intern

DEPARTMENT: INFORMATION SECURITY

L1 SOC

Pentesting

### 02/2022 – PRESENT PUCIT

Undergraduate Teaching Assistant

OPERATING SYSTEMS

### 02/2021 – 06/2021 PUCIT

Undergraduate Teaching Assistant

COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE

## ACHIEVEMENTS

### 2018 NASA AMES Space Settlement Design Competition

3rd Place

LAHORE GRAMMAR SCHOOL (TEAM EFFORT)

Designed robotic automation and an 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 & i686/amd64 asm

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

Kernel Development (Currently working on initializing GDT)  
User Space Development (Pending)

### 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 Handling, custom Hash Table implementation, 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

04/2022 – 06/2022 **Linux Command Line Tools**

<https://github.com/papadoxie/SP-Progs>

Some command line tools written for the Systems Programming Course

C

## ORGANIZATIONS

09/2020 - 06/2021 **Google Developer Student Club**

CORE TEAM - CYBER SECURITY LEAD

PUCIT

02/2021 - PRESENT **BSides Pakistan**

UNIVERSITY LEAD

BSides