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Dear Sir/Maam,

I am writing to express my interest in having a career in Cyber Security, Hybrid IT or ML/AI. With the qualifications mentioned below, I'm sure that I'm eligible for the position.

DIPLOMA: I graduated with a Diploma in Cybersecurity and Digital Forensics in 2022, where I learned many skills like vulnerability assessment, penetration testing, basic digital forensics, steganography, security information and event management, various skills of Security Operations Centre, network security, cloud security, web application security (OWASP Top 10 Vulnerabilities) and endpoint security which includes patching and hardening for Windows and Linux OS. In the Cloud Computing module, I had hands-on experience with Amazon Web Services Cloud Platform.

Internship: During the last semester of my Diploma, I did my internship as a System Executive (Intern) at NCS and I have a good understanding of the corporate environment and processes being followed like ITSM-based ticketing and change management in addition to the technical aspects. Collaborated closely with the Systems team, DBAs, and VM Admins during my internship and got practical exposure. Later I was deputed to SingTel, for the implementation of enterprise-wide security policies.

Part-time Work: After the internship and before my enlistment, I took a part-time job at HPVM Infosystems where got experience in Vulnerability Assessment and related remediation procedures for Wintel servers, Web Application Testing for public websites and also performed hardening for Windows servers and Endpoint devices.

Certificates: I have completed Certificate in Machine Learning and Data Analytics Using Python from the National University of Singapore and Microsoft Certified: Azure Administrator Associate. The certificate from NUS has taught me Data Analytics in Excel and Power BI, and scripting basic Machine Learning algorithms in Python, while Azure Administrator Associate, gave me an introduction to Microsoft Azure Cloud Platform where I learned and had hands-on experience with various services.

Interests: I'm interested in taking a career in Hybrid IT, Cyber Security, ML/AI, or a combination of them, to start with and become an expert in one or more of them. The reason I enrolled in the Certifications despite being a full-time National Serviceman is to get a head start among my peers and gain more knowledge and skills required to achieve my goal of being an expert in Hybrid IT, Cyber Security, or ML/AI. I am also willing to pursue higher studies in these fields simultaneously so I'm interested in the Work Study program.

Based on the knowledge and skills that I have gained from my diploma, certificates, and working experiences, I am confident that I will be able to contribute quickly to the team and will be thrilled to be considered for the role. I will be available for work on short notice. Thank you for your time and for considering my profile. I look forward to hearing from you.

Yours Sincerely,
Murugan Harish

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PROFILE

- Self-motivated and dedicated Cyber Security professional, complemented by a Certificate in Machine Learning and Data Analytics Using Python from the National University of Singapore.
- With an initial touch in Hybrid IT, keen to enhance my technical, analytical & organizational skills with upcoming opportunities.
- Microsoft Certified Azure Administrator Associate, showcasing expertise in cloud technologies.
- Having good knowledge on IT Security and Cloud/On-prem Systems and related networking & scripting.
- Hands-on experience through Internship as a System Executive at NCS Pte Ltd. and HPVM Infosystems, where I honed my skills that I learnt in academic curriculum.

EDUCATION

Diploma in Cybersecurity and Digital Forensics

Temasek Polytechnic   Apr 2019 - Apr 2022

- Successfully completed comprehensive modules like Ethical Hacking and Intrusion Prevention, Forensics in Digital Security, Incident Response and Management, Network Security, Network Technology, Secure Web Applications, Coding and Development Project, Database Application Development, Server Administration and Security, IT Security Management and Audit, and IT Systems Security Essentials.

CERTIFICATES

Machine Learning and Data Analytics Using Python

National University of Singapore   MAY 2024

- Perform EDA and data wrangling on various data sources
- Perform ETL processing using DAX to perform calculations
- Use data from insight generation and visualisation to into fitting supervised and unsupervised machine learning models in Python
- Optimise neural networks to identify best parameters settings

Microsoft Certified: Azure Administrator Associate

Microsoft Corporation   JUN 2022

- Manage Azure identities and governance
- Implement and manage storage
- Deploy and manage Azure compute resources
- Implement and manage virtual networking

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WORK EXPERIENCE

NCS Pte Ltd   SEP 2021 - MAR 2022

System Executive (Intern) - Student Internship Programme

- Collaborated closely with Systems team, DBAs and VM Admins for comprehensive exposure of the environment and understand the corporate process flow and ITIL based procedures
- Undertook a project attachment with Singapore Telecommunications Limited, gaining valuable industry experience.
- Actively interacted with end users to understand and address their needs effectively.
- Implemented robust security policies on endpoint devices to ensure data integrity and protection.

HPVM Infosystems   MAR 2022 - OCT 2022

Systems Engineer - IT Security

- Performed Nessus based VA and related remediation procedures for Wintel servers in banking environment, PT for the Public corporate Websites.
- Performed hardening for Windows servers and Banking Endpoint Devices based on corporate policies.
- Blocking of IOC hashes using EndPoint security & malicious IPs in firewalls based on Fintel Advisories

LANGUAGES

Fluent: English, Tamil

PROJECTS

Music Streaming App

Java-based App using Android Studio   YEAR 1 SEM 1

- Module name: Computational Thinking
- Objective: Create an android compatible music streaming app (with limited songs) using Android Studio
- Programming Language: Java, Android Studio

Toppofood - Restaurant Review

Website with SQL Database   YEAR 1 SEM 2

- Module name: Coding and Development Project, Database Application Development
- Objective: Create a Website with a relational database to allow the users to view, add, update, and delete their data
- Coding Language: HTML, CSS, JavaScript, SQL

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PROJECTS

Pixel - Online Shopping Website

Secure Website with SQL Database   YEAR 2 SEM 2

- Module name: Secure Web Applications
- Objective: Create a secure Website with a relational database to allow the users to view, add, update, and delete their data, that is secured against OWASP Top 10 Web Application Security Risks
- Coding Language: HTML, CSS, JavaScript, PHP, SQL

IoT Project

Secure IoT with Mosquitto MQTT   YEAR 3 SEM 1

- Module name: Cloud Security
- Objective: Create a secure IOT System using Docker and Mosquitto MQTT to connect Iot Sensors from IFTTT website to a python-based HTTP server that displays the data from sensors
- Tools and Language: Python, HTML, Docker

SKILLS

Technical Skills:

- Vulnerability Assessment & Penetration Testing - Proficient to conduct VA & PT, using Nessus tools, and remediation is needed
- Data Analytics - Proficient in implementing Data Analytics using Excel, Python & Power Bi
- Cloud Computing - Proficient in implementing Cloud Computing Solutions, with Good knowledge/experience in Azure & AWS
- Python Programming - Proficient in Python to create a secure IOT System, and various Machine Learning methodologies
- Networking - Proficient in networking and network security to come up with a complex network layout with all the necessary security implementation
- Web Development - Proficient in creating 2-tier Web Application Development, using HTML, CSS, JavaScript, PHP, and SQL to create restaurant-review and online shopping websites
- Web App Security - Good understanding of OWASP Top 10 vulnerabilities to secure websites

Generic Skills:

- Effective Communication - Executive Committee of 2018 Greendale Secondary School NPCC Annual Unit Camp (Helped my squad of 20 plan and run the annual camp without any setbacks)
- Critical Thinking - IC of 2018 Secondary 4 Values-In-Action(VIA) Project: Integration of Foreign Student (Effectively identify key issues faced by Foreign and PR students and develop solutions)
- Problem-Solving - Chairperson of 2017 Greendale Secondary School NPCC Annual Unit Campfire (Change of plans, due to Wet Weather, were made and implemented promptly to minimize delay)
- Time Management - Effectively managed preparing NPCC Annual Unit Camp, VIA Project and O Levels