

MOHAMMED FAZIL ADAM BASHA

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | kali OS • Windows 11 • Linux • Unix • Mac • Unix • Mobile

Applications | Firewalls • Antimalware • Android Studio • McAfee • MS Office: Word • Excel • PPT • Access • MS Project

Programming | LabVIEW • TestStand • Embedded C • C# • Python • HTML • CSS

Platforms | VMware • Kali Linux • PyCharm

Methodologies | ASPICE V MODEL • Penetration Testing • Vulnerabilities Scanning • Quality Assurance

Other | Blender 3D • GitHub • Photoshop • 3D Modelling

Languages | French | Spoken & Written – level of proficiency Intermediate • English | Spoken & Written – fluent

Licenses & Certifications | Cisco Cyber Threat Management • IBM Embedded Certificate

EDUCATION

Master of Engineering – Information Systems Security

2024 - 2026 (Expected)

Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- Relevant Courses: Operating Systems Security, Advanced Cryptography, Cybercrime Investigation

Bachelor of Engineering – Electronics Communication Engineering

2018 - 2022

Anna University, India

- Director of the Student Association
- Relevant Courses: System Physical Security, Network Security, Python Programming, Computer Engineering

PROJECTS

MARFCAT: Fast code analysis for defects and vulnerabilities

2024 - present

Concordia University, Montreal, QC

- Led a 5-person team on the MARFCAT cybercrime investigation project, focusing on malware detection and forensic analysis.
- Enhanced cybersecurity measures by identifying malicious file patterns and strengthening protocols.
- Project achieved top recognition for its contributions to cyber threat intelligence.

Core Competencies: Forensic analysis, malware detection, cybersecurity protocols.

EV Car Dashboard Graphical User Interface

Mar 2023

TestBase Solutions

- Designed a smart EV dashboard using Python and PyQt with real-time CAN/UART sensor integration and secure edge data handling.
- Implemented Wi-Fi/MQTT connectivity for diagnostics, OTA updates, and cloud sync, ensuring robust network security.
- Enabled trigger-based actions based on sensor data and user input, enhancing system responsiveness and safety.

WORK EXPERIENCE

Embedded Security Engineer TestBase Solutions, India	Mar 2023 – Feb 2024
<ul style="list-style-type: none">Developed embedded firmware for a wireless EV charging prototype utilizing ARM microcontrollers, significantly improving overall system performance and efficiency.Integrated CAN and UDS communication protocols, enhancing automotive diagnostic reliability and ensuring stable data transmission.Employed LabVIEW programming for system design, and executed comprehensive testing using NI TestStand, adhering strictly to AUTOSAR standards and embedded security practices.	
Network Security Analyst Intern CBTS, India	Nov 2022 – Feb 2023
<ul style="list-style-type: none">Configured and managed firewalls, IDS/IPS, and VPNs to maintain secure and efficient network operations.Monitored network traffic using tools such as Splunk to identify, analyze, and mitigate threats.Ensured compliance with security standards, including ISO 27001 and GDPR, through comprehensive audits and documentation.Collaborated with cross-functional teams to implement security measures in cloud environments and CI/CD pipelines, enhancing overall system integrity.	

AWARDS& DISTINCTIONS

Name of Award: Stress Interview Winner – University level	Aug 2022
Walk for plastic Green Man award – From the NGO of Walk for plastic	Apr 2021

PROFESSIONAL ASSOCIATIONS

University Exam Invigilator Concordia University, Montreal, Quebec	Oct 2024 - present
<ul style="list-style-type: none">Supervised exam sessions to maintain a secure, fair, and distraction-free testing environment.Conducted ID verification, distributed and collected exam materials, and strictly enforced university policies.Provided clear procedural guidance to students and promptly reported any discrepancies to exam coordinators.	

INTERESTS

Reading	Novels, Comics
Sports	Athletics, Cricket, E-sports
Passions	Programming, Securing Networks, Embedded Developing, App Development