afvanmj@gmail.com
+971504995890

Tryhackme Rank : 50
Top 1% in the world

LeetCode Rank: 82
Top 1% in the world

https://github.com/Afvanjaffer

Linkedin ID: Afvan(MJ)Moopen

BTECH IN COMP SCIENCE WITH SPECIALIZATION IN GAMING TECHNOLOGY AND ADVANCED CYBER SECURITY

Afvan MJ

My portfolio @ afvan.social

About Me

I am self-learner and working confident, curious, and perpetually. I have good experience in developing software platforms for real world problems, and I am working on several communities for improving the Technical knowledge in the society. I have good leadership, organizing, And communication skills. I am a perfectionist. I want to solve the Problems in my hands in perfect ways, which is, however, not achievable in many situations.

I also apply Bellman Equation in the optimization of my life, which is a Markov decision process, but the future discount factor γ in the Equation might be small and I would often be trapped in local optimum

Technical Skills: C, C++, C#, ASP.Net, Java, R, Python, JavaScript, Typescript, PHP, Laravel, Lua, Lisp, Racket, Swift, GO, Ruby, RUST, Erlang, Elixir, Verilog, Prolog, Haskell, Scala, Lisp, Latex, Julia, Flutter, Dart, Kotlin, OpenShift, ROS programming, CUDA, ARM Developer(NEON), HDL and ASM,HTML, CSS, Pug, Jade, jQuery, CodeIgniter, MySQL, GraphQL, Magento, Firebase Django, Celery, Matplotlib, Pytorch, Regex, flask, Vue, Bootstrap ReactJS, P5 Processing, Angular, NodeJS, MongoDB, win64 programming, Win API, Win x64 assembly language, SpringBoot, Groovy, BASH, PowerShell, WEBGL, GLSL, Three.js, Aframe, Docker, Kubernetes, Postgres, Linux/Unix Administration, ASP, IOT(development and security), AWS Developer, Blender, Maya 3ds,Maya 3ds Max, Motion graphics, Aftereffect, premierpro, Photoshop, Houdini, Autodesk, AutoCAD, Cinema 4d, Software fuzzing, AR, VR, Cryptanalysis, Vulnerability Tester, Vercel, Netlify, Now, Zsh, Deno, Git, OpenGL, OpenAL, OpenCL, OpenAI, Open CV , Hadoop, Devops, Hive, Flume-Ng, Kafka, Sqoop, A.airflow, Windows Server, Linux, Web Socket, Reverse Engineering on UNIX system

EDUCATION

Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (CSE)	June 2018 –Ongoing	Vellore Institute of Technology	8.4/10
Class XII	May 2018	St. Ann's HSS, Pathalam	94%
Class X	May 2016	India International, Dubai	88%

Certifications & Trainings

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International Airlines Group	▪ **Bug Hunter Lead** (Jan 2021) - Description: helped to improve the performance of the service provided from British Airways and other cargo services

Apple and Cisco Security Training	▪ **Hands workshop on Security Test and Penetration** (Jan 2020)
	  - Description: Deep architecture on security forensics and penetration testing.
	  - Technology: IOS and android Forensics, Malware, Data acquisition techniques, CryptoMining
	  - Tools: Cellebrite Universal Forensic Extraction Device, ElcomSoft IOS forensic toolkit, Oxygen Forensic tool, Paraben iRecovery Stick, Blacklight Forensic software stick

Block chain Council	▪ **Certified Block chain expert**

IABAC training	▪ **Training completion for international association for business analytics certification**
SANS institute	▪ **Security fundamentals curriculum**

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Cloud Data Engineering	▪ **Cloud data Engineering** (Jan 2020) - Description: Data Scientist toolbox - Technology: Data processing pipeline, Cloud Storage, IAM role, Cloudsql, Data Transfer services, Cloud Fire store, cloud spanner, Cloud Memory Store, Bigdata, Cloud Pubsub, Dataflow, Pipeline streaming, Managed spark with cloud dataproc, Bigtable, Bigquery, Data lab, Data studio, Cloud Composer, Cloud ML with TensorFlow, Pretrained ML cloud API's, AutoML, Operationalizing ML model, Data Security and Industrial Regulation, Data Prep - Badge Name: Professional Data Engineer exam - Training Platform: Google, AWS, Azure - Google DevJam Rank: 10

Nvidia	▪ **Nvidia Jetson AI** (Feb 2021) - Description: Leveraging AI using Nvidia Jetson system. - Technology: Jetson AI, TensorFlow, TensorRT, Pycoco, OpenPose, Pytorch - Achievement: Jetson AI specialist, Jetson AI Ambassador
International Airlines Group	Sub-Domain TakeOver (Bounty Program : Hackerone)
Varonis	▪ **Online Learning Platform** (April 2021) - Credits: 40 CPE credit - Achievements: i) PowerShell Automation for AD (Active Directory) ii) Ethical Hacking: Session Hijacking, Web Application security, Database Security, Securing ASP.Net Website, OWASP top 10 Vulnerabilities, Social Engineering, Modern Web Security Patterns about HTTPS iii) Web security Review iv) Crafting a brand for growth and prosperity v) Microsoft Office 365 Essential vi) Cyber Incident Response

	vii) GDPR attack plan viii) Web Security Fundamentals ix) Introduction to Ransomware x) Understanding Insider Threats xi) Understanding MITRE attack xii)Internet Security Fundamentals

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Qualys	▪ **Qualys Training Platform** Advanced Training Courses and Certification: i) End Point Detection and Response (EDR) – Foundation ii) Cloud Specialist iii) Qualys Cloud Security iv) Cloud security assessment and response v)Cloud agent

.Net Training	▪ **Blazer app development**
Xamarin	▪ **Android and IOS development**
Intel	▪ **ARM developer program**
Seco Institute	▪ **SISO Security Training Track**
IBM	▪ **Cognitive AI class** ▪ **Data Engineering**
TensorFlow Talks	▪ **Community call for Machine Learning Professionals** ▪ **Real world application** ▪ **Advanced Optimization Technique**

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Offensive Security Training	▪ **Virtual Training for SOC and SIEM**

Info Security Europe training	▪ **Training self-placed on cyber security**
Oracle Learning Platform	▪ **Vulnerability Assessment and security measures** ▪ **Database Programming**
GISEC Expo Event	▪ **Short Challenge on Cyber-Security: Winner** **Major showcase of Cyber Security projects** ▪
JetBrains	▪ **.Net Program**
Cloudera	▪ **SPARK and HADOOP developer training** ▪ **Apache beam and Airflow** ▪ **SCOOP and HiveDB**
MongoDB	▪ **Database Risk and Safety Measures**

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VMware	▪ **VMware Expert Training**

Pluralsight	▪ **Google developer scholarship 2021:** ▪ **Mobile Web specialist (ongoing)**

Google	▪ **TensorFlow Certification** ▪ **Google Analytics Training** ▪ **Google Digital Marketing Training**

	▪ **Google I/O Training** ▪ **TensorFlow Lite API Android**

Google DSC training	▪ **University of South Africa:**
	    1. **Python Game Development (Creating bots)**
	    2. **PyGame Learning Series** ▪ **University of Abu Dhabi:**
	    1. **Human Resource Capital Management**

Coursera	▪ **Design thinking HSE Paris** ▪ **Discrete mathematics and Optimization** ▪ **Automating Real World Task with Python**

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Cryptopals	▪ **All challenges completed**
Huawei Learning Platform	▪ **HCIA 5G Course** ▪ **Data mining HCIP** ▪ **Open cloud solution HCIP** ▪ **EPC network principle** ▪ **South Africa FTTH recon solution** ▪ **HCIE Huawei solution architect** ▪ **Cybersecurity Certification application and Security Policies (CSE)** ▪ **Small Cell Wireless Adapter** ▪ **HCIA IOT developer** ▪ **Numerous 5G test** ▪ **VDF LTE project Germany**
Harvard University CS50x Courses	▪ **CS50 Course:** i) Introduction to Game Development ii) CS50x Computer Science Course iii) Introduction to Artificial Intelligence with python
SkillFront	▪ **Certified Associate in SCRUM fundamentals (CASF)**
Microsoft	▪ **Azure AI fundamentals (AI-900)** ▪ **Azure Data fundamentals (DP-900)** ▪ **Microsoft Advertising Certified Professional** ▪ **Microsoft Build skills 2020** ▪ **Microsoft Ignite Cloud skills**

University of Tasmania	▪ **Wicking (Dementia Research and Education Center): Understanding Traumatic Brain Injury** (Public Course)
University of Deglistudidi Urbino Carlo Bo	▪ **Intelligence in Artificial Intelligence - Master: 40 Credits (ORE)** (Public Course)

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University of Helsinki	▪ **Introduction to Cyber Security** ▪ **Securing Software** ▪ **Advanced Cyber Security** ▪ **Data Analysis with Python** ▪ **Devops with Kubernetes** ▪ **Devops with Docker** ▪ **Java Programming 1** ▪ **Java Programming 2** ▪ **SpringBoot Java Programming** ▪ **Haskell**
OXFORD College (Oxford)	▪ **Cybersecurity** ▪ **Risk management** ▪ **Project Management** ▪ **Cybersecurity Diploma**
Elements of AI	▪ **Introduction to AI** ▪ **Ethics of AI** ▪ **Building AI**
Cisco	▪ **Certified Network Administrator (CCNA)** ▪ **Certified Devops Engineer** ▪ **Automation and cisco tools**
Redis Labs	▪ **Redis certified developer training**
AWS	▪ **AWS certification training for Solution Architect** ▪ **Introduction to Amazon Elastic Computer Cloud (EC2)** ▪ **S3 Storage** ▪ **Kinesis**
Abu Dhabi University	▪ **Data Analysis** ▪ **Bubble Coding**
Stepik	**STEPIK Graduate** ▪ **Introduction to Linux** ▪ **C#**

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	• **C++** • **JavaScript Basics** • **Mailru Web security** • **Java** • **Haskell by computer science center** • **Algorithm Planning** • **Database – Redis, MySQL, MongoDB** • **Graphics** • **Scala** • **Motion Designing** • **All about Linux**
Udemy	• **Complete flutter app development for Android, iOS** • **Complete python 3 course beginner to advance** • **Bug bounty: web hacking** • **The Machine learning certification course** • **Create Ethereum and block chain applications using solidity** • **Complete C# developers: code the right way** • **Python and crypto currency API**
EDUONIX	• **Certificate for brilliance to develop a complete applications for iOS** • **Ruby on rails developer**
Public Offering	• **Fire and safety Training**
Vaadin	• **Vaadin certified developer**
TryHackMe	• First rank – UAE TryHackMe.com Cyber security training based on live methods • World Rank 56 TryHackMe.com https://tryhackme.com/leaderboards

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1 Million Arab coders initiative	▪ Participated

INTERNSHIP EXPERIENCE	
Artificial intelligence professional	I was trained as an expert there, but I am more skeptical than any other scientific evangelist. I was not convinced that life science algorithm conducted with the existing research approaches at the current level of human civilization could be considered as "science". That was part Of the motivations which caused me to leave that field (Genetic root of Simple Programming that's how developed setup my interest in AI). I should be grateful that I have learned mathematics and programming well in college, and I met machine learning when I was at the lowest point of my life.
Alliance, Dubai, UAE DEEP Learning Engineer Aug. 2020 - Dec.2020	The research and engineering interests that I showcased with them are mainly in the areas of machine Learning, artificial intelligence, general Computer science, and user-friendly software engineering. The company were persuaded with my performance as an intern, that was the time when we got an Opportunity to meet up at the address Expo for Improved Intelligence on Apple tech
ELV Alliance Technology (Cyber Wing) , Dubai , UAE CYBER TEAM OPERATOR (Security & Processing Field) May. 2020 - July. 2020	Content and course developer supporting Defense Threat Reduction Wing of the Company Emulated advanced persistent threats as a penetration tester with expertise in host and network exploitation. Assisted in the development of the cyber red team management Standard Operating Procedure documentation Developed" Strategies for Kernel Security and open Source Intelligent Gathering techniques" for safety inspection. worked on Hosting a" Capture the Flag(CTF)" competition utilizing Docker but in between I had to drop it to plunge back to college to continue the rail. In interest of my previous internship with the company, they got me a specialized training on" Cisco Security Operations" Conducted penetration testing commissioned by national agency and corporation.

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METASPLOIT RAPID7 US GSOC Internship 2021 (ongoing)	A mechanism to maintain open AUTH and hang in the console. This project will lay the groundwork for registering gathered or generated authentication tokens against a target to be refreshed and sustained until a console exits, or in some cases across console restarts. When testing in a web environment, it's important to have a constant and open authentication working. It's also a good idea to have the log-in persist during testingso that other modules can be tested. One way to do this is by using a cookie. The project would conceivably register any/all of these cookies for use and remain active until the system resets. Many of the testing techniques with web servers like Man-in-the-middle attack with DNS traffic manipulation, Cross-site scripting, compromised third-party JavaScript rely on acquiring ensured Authentication to be active on the target. A lotof the modules have been doing their duty in a disparate manner, by using this approach or technique we canbring many modules functionalities together and make much faster and reliable testing facility with persistentconnection to the target even in the case of a system reboot or a console restart on the Metasploit framework'

HONORS AND AWARDS	
Achievements	▪ Pool finalist Boston CTF ▪ Seimens best health care solutions (awarded 2nd) ▪ Best community project (open coach training) ▪ Block chain instructor ▪ WebGL community speaker ▪ Part of tensorflow JVM SIG community ▪ Finalist creative idea (open idea distribution) ▪ Challenge winner (Expo: GISEC) ▪ Qualified for 5G innovative idea in AWS and Verizon challenge
Major Projects (Hungry challenges)	▪ Encrypted messenger ▪ Survival hunter multiplayer game (winner at VIT project submission) ▪ Family exercise trainer (sporty nut) ▪ TF advanced video culture ▪ NFT gaming (block chain) ▪ ML malware detection ▪ Secure routers ▪ IoT safety ▪ Right posture ▪ Trading robot ▪ RAT (harmful)
Presentation	▪ Team presenter for designing and deployment of AI fire detection model
	Introduce the history of web development and deployment with tensorflow.js and ml5.js and other technology in the stack for the modern DLP Introduce how to freely host the web application with high performance utilizing optimization, transpilation techniques and global CDN services. ▪ Reverse Engineering conference Presenter for OSCP enthusiastic program Introduced CTF hacking competition, advanced technique and strategies for penetration testing

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Writing	▪ A guide to Open block chain tech
	    Team operator and instructor
	    Drafted an application design for coin trading using java, providing data collection and export
	    Complex event process , trigger and back test

Responsibilities	▪ Google DSC community member for Abu-Dhabi university
	    Organize events based on technology and Human resource management
	
	▪ Google DSC community member for South Africa university
	    Organised events on AI gaming with python, work ethics for web development
	
	▪ Club trainer: CHKTNZ FC (Football Club)
	
	▪ Google developer community member at Middlesex university

Extracurricular	▪ First rank – UAE TryHackMe.com
	    Cyber security training based on live methods
	▪ World Rank 50 TryHackMe.com
	    https://tryhackme.com/leaderboards
	▪ World Rank 110 (profile ranking)
	▪ Leetcode Profile ID:https://leetcode.com/AfvanJaffer/
	▪ Updated rank: 182 now
	▪
	
	▪ World Rank 32 CSES https://cses.fi/problemset/

ADDITIONAL INFORMATION	
Hobbies	▪ Avid Book Reader – Read numerous novels of Sidney Sheldon and Jeffrey Archer ▪ Playing Games - Represented University in War of Wings tournament in Amity University (Jun 20)
Languages	▪ English, Hindi, Malayalam, Tamil
Know me better	▪ Please Visit https://cvdesign.mobi/r-ZXsbXG to see my entire skills Set and all my Previous Experience