

# AFVAN MJ

· SOFTWARE DEVELOPMENT ENGINEER · SECURITY ENGINEER · MACHINE LEARNING EXPERT · SOLUTIONS AND CLOUD ARCHITECT ·

Kochi , Kerala , INDIA , 683520 | Dubai , United Arab Emirates

☎ (+971) 3934604 | ✉ afvamj@gmail.com | 📍 Afvan Moopen | 🏠 Afvan Moopen | 🐦 @afvanmj | 🌐 afvan.m

*"Placed in between organizations and technology, I am committed and enthusiastic in what I do. Driven by great challenges and learning opportunities, I look forward to combining technical knowledge with interpersonal skills."*

## Summary

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  $\gamma$  in the Equation might be small and I would often be trapped in local optimum

## Education

### VIT University

BACHELOR OF COMPUTER SCIENCE ENGINEERING , SPECIALISATION IN GAMING TECHNOLOGY

Vellore

Apr. 2018 - Nov. 2022

- BTECH with Specialization on Gaming and Advanced Cyber Technology

### University of Oxford

FULL STACK SOFTWARE DEVELOPMENT, DEVOPS, DATA ANALYSIS

Remote

Jan. 2020 - Dec. 2020

- Oxford eLearning Batch Community (Diploma), Advanced Cyber Security , Artificial Intelligence

### Massachusetts Institute of Technology

MACHINE LEARNING AND MICRO-SERVICES DEVELOPMENT , END-TO-END CLOUD COMPUTING , SOCIAL DATA SCIENTIST

Remote

Feb. 2021 - Mar. 2021

- Data Structures and Algorithms. Machine Learning and Big Data End-to-End Networking and Security Cloud Technology(AWS, GCP ,Azure

## Work Experience

### ELV Alliance

SOFTWARE DEVELOPMENT ENGINEERING LEAD

US, Remote

Jan. 2021 - PRESENT

- Knowledge of Computer Science fundamentals such as object-oriented design, algorithm design, data structures, problem solving, and complexity analysis
- Experience in web/mobile application development, Unix/Linux environments, distributed/parallel systems, information retrieval, networking, or systems/security software development
- C ,.NET , C , C++ , Java , Javascript/Typescript , Python , Data Analysis packages , Machine Learning Packages , Cloud Solution - AWS, GCP, AZURE, Xamarin Dev

### Alliance

CHIEF FULL STACK ENGINEER

UAE

May 2020 - 2020 July

- Working knowledge in a technology domain such as distributed internet-scale web or mobile applications, DevOps, Serverless, Big Data, Analytics, Machine Learning, enterprise workloads (SAP, VMware, Windows etc.), high-performance databases (SQL and/or NoSQL), networking implementations, highly secured workloads
- Experience with distributed, multi-tiered systems, algorithms, and relational databases

### International Airlines Group

SOFTWARE DEVELOPER AND SECURITY TESTER(PEN-TEST)

UAE

July 2021 - PRESENT

- Effectively articulate technical challenges and solutions , Extensive knowledge of security technology, risk assessment methodologies
- Experience in optimization mathematics such as linear programming and nonlinear optimization. Brilliant at policies, systems, Network
- Adept at handling ambiguous or undefined problems as well as ability to think abstractly

## Skills

### Worked on

Java, C/C++, C, Objective C, Python, JavaScript/Typescript, Go , Ruby , Scala , Web/mobile application development, Unix/Linux environments, distributed/parallel systems, information retrieval, networking, Systems and Security software development, Rust , Data Structures and Algorithms , Familiar with majority of the Web Development frameworks, Security Frameworks

### Languages

English, Hindi , Kannada , Malayalam , Arabic, Tamil

## Certifications and Trainings(Major)

2020	<b>Certified Blockchain expert</b> , Blockchain Council	Remote
2020	<b>IABAC Certifications</b> , Data Analysis,Artificial Intelligence Expert	Remote
2020	<b>Blue and Red Teaming Certification</b> ,	Remote
2021	<b>Nvidia Certification (Specialist,Ambassador)</b> ,	Remote
2021	<b>VMware Certifications and Training(VmWare Expert)</b> ,	Remote
2020	<b>AWS Certifications and Training(Solution Architect)</b> ,	Remote
2020	<b>Qualys Certifications and Training(Cloud Agent , Policy Compliance , End Point Detection Response(EDR))</b> ,	Remote
2020	<b>Google Certifications (Network Professional , Tensorflow Expert , Tensorflow End-to-End Cloud Applications , Mobile Web Specialist , Analytics , Digital Marketing , Cloud Data Engineering , Network Engineer )</b> ,	Remote
2021	<b>Apple Certifications and Trainings (Security Architecture, Design Architecture)</b> ,	Remote
2020	<b>Certified Associate in SCRUM fundamentals(CASF)</b> ,	Remote
2020	<b>Huawei Certification (OpenCloud , Data Mining , Network and Security , IOT, 5G Expert )</b> ,	Remote
2020	<b>Microsoft Certifications(AZ-900 , AI-900 , DP-900 , Advertising Certified professional , .NET Developer , Xamarin Developer , Azure Cloud Security)</b> ,	Remote
2020	<b>Cisco Certification (CCNA, CCDE , Automation))</b> ,	Remote
2020	<b>Oracle Certifications(Database Maintainer , Leadership role , Cloud)</b> ,	Remote
2020	<b>Intel Certifications(ARM Developer ,Winx64 Programming )</b> ,	Remote
2020	<b>Offensive Security Training(OSCP , OSWE , OSCP )</b> ,	Remote
2020	<b>Red Hat Training(Red Hat Operation)</b> ,	Remote
2020	<b>Cloudera Certifications (Big Data Analysis)</b> ,	Remote

## Projects, Publications & Courses

### Cublocks : Ethereum based secured crypto wallet video Sharing Application

*Congress of Computer Engineering*

"SECURED CRYPTO VIDEO SHARING APPLICATION"

Nov. 2021

- Personal Project
- Winner of the award: CryptoMath Category
- Winner of the award: "Best Blockchain-chosen project"

### Fake-Face AI Animator (GANS)

*Github : Afvan Moopen*

MIT - PROJECT

Aug. 2021

- AI -Animator which helps people bring back to life with just their portray

### One Life

*Hackathon*

EMERGENCY ASSISTANT - SOS (XAMARIN - XCODE - ANDROID - ELECTRON)

May. 2021

- Emergency App with Cloud support for maximum fast emergency Delivery using Map facility - SOS App

### Enter

*UAE*

AWS-VERIZON HACKATHON

Aug. 2021

- Quick inApp Entertainment and Monitoring (I)on Vehicle-Vehicle Communication in 5G using AWS Wavelength

### Advanced Network Analyzer.

*Labs*

PLATFORM TO ANALYZE AND MONITOR NETWORK DEVICES (ADVANCED PYTHON, GO, REACT, FLASK, SQLALCHEMY ,

Jul. 2021

MONGODB, NCCLIENT , PYSHARK, THREADING, JAVA HOST MONITOR).

- A fully functional App using Cloud Service and WebSocket architecture providing Realtime communications and later provide suggestion to the prescription using Intelligent Services from AWS

### Jara

*Helping Community Wipe Fraud*

JAVA NUERAL NETWORK LIBRARY

Aug. 2020

- A Fully Build Java NN library)

### Sight-3D

*Helping Community wipe Frauds*

PYTHON 3D MATH LIBRARY

Aug. 2020

- An Elegant Style Math - 3D library with help ... Three.js in Python