



# MUHAMMED AFLAH S

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B.Tech, Computer Science and Engineering - Artificial Intelligence and Machine Learning

Address : Baithul Noor, KR Nagar 56 A  
Kallumthazham, Ayathil, Kollam, Kerala, INDIA



## Education

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|-------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>SRM IST-Trichy</b><br>B.Tech · Computer Science and Engineering - Artificial Intelligence and Machine Learning | 2028<br>CGPA - 7.13/10   |
| <b>T.K.M. Centenary Public School</b><br>Class XII - CBSE · Computer Science · India, Kerala                      | 2024<br>Percentage - 73% |
| <b>T.K.M. Centenary Public School</b><br>Class X - CBSE · India, Kerala                                           | 2022<br>Percentage - 77% |

## Experience

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|--------------------------------------------------------------|-------------------------------|
| <b>DarkLead!</b><br>Community Operations Manager · Part-time | Apr 2025 - Present<br>Remote  |
| <b>IntelliTech Forum   SRMIST</b><br>SMM                     | Mar 2026 - Present            |
| <b>Cyberanzen   SRMIST</b><br>Treasurer                      | Feb 2025 - Sep 2025           |
| <b>GopalExim</b><br>Automation Intern · Intern · Full-time   | May 2026 - Jul 2026<br>Remote |

## Projects

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| <b>Pallet Wheels</b><br>Atal Innovation Mission (AIM)   NITI Aayog · Microcontrollers, Transducers, C, C++<br>A robotic chair designed for paraplegic individuals to promote independence and self-reliance.                                                                                                                                                                                                                                                                                                 | Robotics      |
| <b>Aether-D</b><br>Science Expo · Drone Systems, OpenCV, MATLAB, Automation, ATD, Thermal Imaging<br>An autonomous UAV-based surveillance and defense system integrating facial recognition, biometric databases, thermal/infrared sensing, threat detection, signal disruption, and automated triggering for real-time situational awareness.                                                                                                                                                               |               |
| <b>VHADE Engine</b><br>Ericsson · LLM, Qwen, Tauri, RUST<br>Vulnerability Handling and Automated Diagnosis Engine is a high-performance application security platform that bridges the gap between <b>vulnerability detection</b> and <b>automated remediation</b> . VHADE uses a <b>neuro-symbolic AI approach</b> to detect vulnerabilities, cross-verify them against CVE/NVD/MITRE databases to prevent hallucinations, and generate verified, context-aware patches with human-in-the-loop diff review. |               |
| <b>Zequen</b><br>AVV Hackathon · Web3   Blockchain, Svelte, Solidity<br>A federated, blockchain-backed credential authentication ecosystem designed to eliminate credential fraud.                                                                                                                                                                                                                                                                                                                           | Cybersecurity |
| <b>CARE-Net</b><br>DSU Hackathon · AI, ML, Docker, IT & OT<br>AI-powered medical triage platform that bridges patient intake and clinical oversight in one synchronized system.                                                                                                                                                                                                                                                                                                                              |               |
| <b>D-NAB</b><br>Science Expo · Microcontrollers, Transducers, C, C++<br>An innovative and cost-effective solution designed to detect the presence of tobacco and other drug-related substances using a simple, accessible device.                                                                                                                                                                                                                                                                            |               |

## Awards

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### Exceptional Student Award

by former ISRO Chairman, S. Somanath · TKMCPS

## Publications

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### AI-Based DB Intrusion Detection with Secure Blockchain Auditing

Nov 2026

IEEE

Research publication on AI-based real-time database intrusion detection with secure, tamper-resistant blockchain audit logging.

## Volunteering

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### National Cadet Corps

Feb 2021 - Jul 2023

Cadet

## Competitions

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### HackSurgeX

Apr 2026

3rd · NMIT Bangalore

### Mirage CTF

Mar 2026

1st · Amrita Vishwa Vidyapeetham, Chennai

### Petrichor Hackathon

Jan 2026

2nd · IIT, Palakkad

### IITP CTF

Jan 2026

2nd · IIT, Palakkad

### R00tAccess CTF

Jan 2026

1st · IEsT, Shippur

### Cyber Hackathon

Oct 2025

1st · Hack The Box, Chennai

### Smartathon

Oct 2025

3rd · DSU, Trichy

### Yuva CTF

Sep 2025

3rd · SRM IST, Trichy

### Pentathon CTF

May 2025

National Rank 49 · AICTE, NCIIPC

### Hackfinity CTF

Apr 2025

Global Rank 74 · TryHackMe

### Atal Tinkering Labs | [Link](#)

Nov 2019

Winner · NITI Aayog, Atal Innovation Mission(AIM)

## Conferences and Workshops

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### 3rd International Conference on Trends in Engineering Systems and Technologies (ICTEST 2026) | [Conference Link](#)

Jul 2026

Gov Model Engineering College under IHRD · The Renai Cochin

Presented a research paper titled “**AI-Based DB Intrusion Detection with Secure Blockchain Auditing**” selected for publication at ICTEST 2026.

## Extra Curricular Activities

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### Bug Bounty Hunting

Passionate bug bounty hunter with commitment to enhancing cybersecurity through proactive vulnerability detection and reporting.

## Skills

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**Languages and Frameworks:** C, JavaScript, Python, HTML, CSS

**Hardware Skills:** Microcontrollers, Raspberry PI, Transducers

**Areas of Interest:** Artificial Intelligence (AI), Machine Learning (ML), Cybersecurity, Robotics, Deep Learning, Web3, Blockchain, Bug Bounty, Automation, Reverse Engineering

**Technical Skills:** Robotics, Automation, Reverse Engineering

**Domain Knowledge:** Blockchain / Web3, Machine Learning, Artificial Intelligence, Capture The Flag (CTF), Automation, Reverse Engineering

**Tools and Technologies:** Docker, Burp Suite, Supabase, MongoDB

## Languages

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English [Professional Working Proficiency], Malayalam [Native Proficiency], Hindi [Limited Working Proficiency], Tamil [Limited Working Proficiency]

## Links

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[LinkedIn](#), [GitHub](#)