

# Farah Adam Ahmed Mohamed

• Jalandhar, Punjab, India  
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## Professional Summary

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Motivated and detail-oriented Cybersecurity enthusiast with hands-on experience in penetration testing, vulnerability assessment, and secure web development. Proven ability to build secure systems, conduct ethical hacking, and document findings using industry frameworks. Actively expanding expertise in SOC operations, SIEM tools, and threat intelligence. Seeking a junior cybersecurity analyst role to contribute to proactive defense strategies and incident response.

## Technical Skills

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**Programming Languages:** Python, C, C++, PHP, HTML, CSS, JavaScript  
**Frameworks & Libraries:** Laravel, Bootstrap  
**Cybersecurity Tools:** Metasploit, Wireshark, Nmap, Burp Suite, OWASP ZAP, FTK Imager  
**Platforms:** TryHackMe, Hack The Box, Kali Linux.  
**Security Concepts:** CVSS Scoring, XSS, CSRF, SQL Injection, JWT (JSON Web Tokens), AES Encryption  
**Soft Skills:** Problem Solving, Team Collaboration, Project Management, Adaptability, Critical Thinking

## Professional Experience

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### Cybersecurity Intern

#### Allsoft Solutions & Services (IBM Project Training)

*June 2024 – July 2024*

- Completed IBM-partnered training on cybersecurity fundamentals
- Developed a **Password Strength Tester** using Python to evaluate password robustness and resistance to brute-force attacks
- Applied secure programming principles and scripting techniques in Kali Linux
- **Tools Used:** Metasploit, Python, Kali Linux

#### Freelance Web Developer & Cybersecurity Intern

*April 2024 – March 2025*

#### SecurePay Tech Solutions

Designed and deployed a secure online recharge platform with integrated payment modules

- Implemented user authentication, input sanitization, encrypted data storage, and secure session handling
- Conducted vulnerability scans and mitigated threats including XSS, CSRF, and SQL injection
- **Tech Stack:** PHP, JavaScript, MySQL, HTML/CSS, OWASP ZAP, HTTPS, JWT

## Projects

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### Conference Management System

*April 2025*

- Developed a secure web-based platform for academic conference management
- Enabled multi-role access (Admin, Reviewer, Author) with secure login and session control
- Integrated input validation and encrypted file uploads

- **Tech Stack:** PHP, MySQL, HTML, CSS, JavaScript, Bootstrap, SSL

### Secure File Transfer System

*June 2024*

- Built a local file-sharing tool using AES encryption and socket programming
- Implemented user authentication and access control for secure LAN-based transfers
- **Tech Stack:** Python, PHP, AES Encryption, Socket Programming

### Certifications

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- Cybersecurity Fundamentals – TryHackMe. November 2024
- Cybersecurity – IBM. July 2024
- Community Development Volunteer. October 2023

### Achievements

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- **Letter of Appreciation** – Lovely Professional University June 2025
- **Hackers Prey Hackathon** – Secured 3rd place for secure coding and teamwork under pressure
- **TryHackMe Progress** – Completed 8% of modules in networking, Linux, penetration testing, and web exploitation
- **Vulnerability Assessment Lab** – Built and documented a home lab using Metasploitable 2, Nmap, and Wireshark
- **Penetration Testing Project** – Conducted black-box testing on a self-hosted web app; identified XSS and directory traversal vulnerabilities; documented CVSS scores and remediation steps

### Education

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**Lovely Professional University**, Punjab, India  
Bachelor of Science in Information Technology  
*Graduation:*  
**CGPA:** 8.00

*July 2025*

**Al-Mualim Higher Secondary School**, Al-Jineina, Sudan  
Senior Secondary Certificate  
**Percentage:** 71.3%

March 2020

### Languages

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- **Arabic** – Native or Bilingual Proficiency
- **English** – Professional Working Proficiency