# Mohammed Touheed Patel

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## Professional Summary

Cybersecurity enthusiast and skilled developer with academic grounding and real-world exposure in Security Operations, Risk Analysis, and Secure Systems. Adept at leveraging SIEM tools, threat intelligence, and incident detection/response methodologies. Possess hands-on experience in software development and cybersecurity, complemented by research-backed problem-solving and a deep interest in threat hunting and cloud security. Eager to contribute to global security teams as a SOC Analyst.

## Experience

Cyberensis Infosec – Cybersecurity Intern
Hyderabad, India | Aug 2020 – Sep 2020
- Performed hands-on analysis using Wireshark, Burp Suite, SIEM platforms
- Assisted in incident response and log analysis for phishing attempts
- Gained exposure to IDS/IPS technologies and alert triage processes

IKIGAI – The Art of Living – Full Stack Developer
Hyderabad, India | Aug 2021 – Aug 2022
- Built scalable full-stack web apps with embedded security layers
- maintained the website until it went down

XIT Solutions Inc – Software Developer
Hyderabad, India | Jan 2023 – Aug 2023
- Developed secure applications following SDLC best practices
- Integrated APIs and automated backend systems using Python

## Education

University of Delaware, USA — Master of Science in Cybersecurity (Secure Systems)
Aug 2023 – Dec 2024 | GPA: 4.00
- Coursework: Web App Security, Reverse Engineering, Cloud Security ,Computer Network , Secure Software Design , System Hardening and Protection(SIEM , IDS , IPS, Zeek) ,Applied Cryptography
- Member: UDCTF | Participated in CTFs, identified critical flags
- Activities : Experimented on Docker , made vulnerability reports of VMs , submitted risk assessment of Delaware Authority for regional transit (DART) , got hands on experience with lots of tools

Chaitanya Bharathi Institute of Technology, India — Bachelor of Engineering in Information Technology
Aug 2019 – May 2023 | GPA: 7.84
- IEEE Club Member | Fully funded by Telangana Govt (merit-based)
- Courses: Cybersecurity, Operating Systems, Computer Networks

## Key Projects

SecureAuth-SA – 2nd Prize, NetScout Cyberathon
- Built encrypted authentication using AES, SHA-256, and asymmetric keys
- Developed a secure, dynamic password generation mechanism

Phishing Email Detection System
- Used Python & ML to analyze headers and URLs for phishing indicators
- Developed model integrating NLP and cybersecurity rules

Intelli Learn – HenHack 2024, University of Delaware
- Led AI-based math learning tool development for kids
- Focused on secure backend and privacy-compliant data storage

## Skills

Security Tools: Wireshark, Burp Suite, Splunk, SIEM, IDS ,IPS , Microsoft Sentinel , Firewalls , OpenVAS , Nessus ,pfSense , Zeek ,Drupal ,SSH
Languages & Dev: Python, Java, Firebase, REST APIs , Linux , C ,C++
Security Domains: Incident Response, Threat Analysis, Vulnerability Mgmt , Cloud Security , GCP, Automation , Security Standards and Frameworks , Log Analysis ,IAM
Soft Skills: Analytical Thinking, Collaboration, Communication, Leadership , Problem Solving, Quick Learner

## Certifications
- (ISC)² Certified in Cybersecurity
- IT Fundamentals for Cybersecurity -IBM
- Python 3 Programming Specialization – University of Michigan
- Google Professional Cybersecuity Specialization

## Achievements

- 2nd Prize – Sudhee 2020 & 2019 (Code Convert and  Bug beaters)
- Best Outgoing Student – 10th Grade
- 2nd Place – Shooting Star Hackathon 2024 (USD 500)

## Keywords for ATS Matching

SOC Analyst, SIEM, IDS/IPS, Incident Response, Threat Detection, Cybersecurity Tools, TCP/UDP, DNS, Python, Wireshark, Cloud Security, Malware Analysis, Security Controls, Log Analysis, Playbooks, Use Cases, OWASP ,PCI-DSS , NIST , ISO 27001