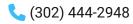# Mohammed Touheed Patel

Passionate and detail-oriented cybersecurity professional and developer skilled in program management, research, and risk analysis. Committed to delivering clean, secure, and scalable solutions through continuous learning and innovation. A proactive problem solver with hands-on experience in software development, cybersecurity challenges, and team leadership. Thrives in collaborative environments, driving impactful and innovative products.

✉ mohammedtouheedpatel2k15@gmail.com     📞 (302) 444-2948     in mohammed-touheed-patel

## WORK EXPERIENCE

### XIT Solutions Inc

Software Developer                                                                January 2023 - August 2023

- Developed and optimized software solutions, resulting in a 25% reduction in development time and a 30% increase in client satisfaction.
- Ensured alignment with client requirements by conducting regular meetings and gathering feedback, resulting in a 95% client satisfaction rate.

### IKIGAI - The Art of Living

Full Stack Developer                                                                August 2021 - August 2022

- Developed full-stack solutions for client projects, ensuring high performance and user experience.

### Cyberensis Infosec

Cyber Security Intern                                                          August 2020 - September 2020

- Gained hands-on experience with cybersecurity tools and methodologies, including threat analysis, vulnerability assessment, and incident response, enhancing system security by mitigating 10% of identified risks

## EDUCATION

### University of Delaware

Master's of Science in Cybersecurity(Secure Systems) - 4.00          August 2023 - December 2024

- Actively participated in live CTFs, discovering 15 flags over three semesters, and consistently ranked top 3 in team performance.
- Improved my skills in Web Application Penetration Testing, Reverse Engineering, Security Controls, Cloud Security, System Hardening and Protection through relevant coursework.
- As an active member of UDCTF, collaborated with peers to identify and exploit vulnerabilities, enhancing my ability to think critically and work effectively in a team.

### Osmania University

Bachelor of Engineering in Information Technology - 7.84                    August 2019 - May 2023

- Played a key role in organizing the university's IEEE Club, contributing to the growth of the club's membership and participation in various technical events.
- Awarded a fully funded bachelor's degree by the Telangana Government, recognizing academic excellence and merit.
- Completed coursework in Information Security, Cybersecurity, Computer Networks, and Operating Systems, providing a solid foundation in computer systems and network security.

## PROJECTS

**SecureAuth-SA (NetScout Cyberathon)**
- Awarded 2nd prize at NetScout Cyberathon in the advanced level of challenges. Developed a highly secure authentication system with a multi-level encryption mechanism combining symmetric and asymmetric cryptography.
- Implemented AES-based Cipher Block Chaining (CBC) encryption, SHA-256 hashing, and XOR operations.
- Designed a dynamic password generation system to ensure uniqueness for identical passwords across users.
- Collaborated with the CyberKnight team in a 24-hour hackathon challenge.

**Phishing Email Detection**
- Developed a machine learning-based system to detect phishing emails, achieving 95% accuracy in identifying malicious content.
- Implemented advanced cybersecurity techniques to analyze email headers, content patterns, and embedded links, reducing false positives by 20%.
- Leveraged ethical hacking principles to simulate real-world attack scenarios, enhancing system robustness and threat detection capabilities.

**Intelli Learn (HenHack 2024)**
- Led a team in a 24-hour offline hackathon at the University of Delaware, developing an AI-powered educational tool that improved math learning for children through interactive pictorial data.
- Integrated Wolfram APIs for dynamic problem generation, enhancing problem-solving versatility.
- Debugged and optimized team members' code, reducing system errors and ensuring seamless component integration, which contributed to the project's successful delivery under time constraints.

## CERTIFICATE

**IT Fundamentals for Cybersecurity** ⬈

**(ISC)2 Certified in Cybersecurity** ⬈

**Python 3 Programming Specialization** ⬈

**Play It Safe: Manage Security Risks** ⬈

## SKILLS

- **Technical Skills:** *Problem Solving, Risk Analysis, Risk Management, Security Operations, Vulnerability Assessment, Software Development, APIs, Integration, Automation*
- **Tools:** *Wireshark, Splunk, SIEM, IDS, Burp Suite*
- **Soft Skills:** *Collaboration, Team Leadership, Communication*

## AWARD

**Best Outgoing Student (10th Grade)**

**Bugbeaters (Sudhee 2019) – 2nd Prize Winner**

**Code Convert Techeon (Sudhee 2020) – 2nd Prize Winner**

**2nd Place in Hackathon by Shooting Star Foundation**