Sai Sathwik Reddy Kondam

Cybersecurity Specialist

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SUMMARY

Motivated Computer Science graduate specializing in Cyber Security, with certifications in Ethical Hacking, Cisco Packet Tracer.

Skilled in penetration testing, threat intelligence, and incident response using SIEM tools (Splunk, ELK), CyberArk, and Wireshark.

Experienced in implementing security measures—firewalls, encryption, and access control—to protect sensitive data.

Proficient in network simulation (Cisco Packet Tracer), risk assessments (Nessus), and cloud security (AWS IAM).

Adept at leveraging Power BI to create dynamic security dashboards for real-time threat monitoring and incident reporting.

Well-versed in ISO 27001, NIST, and GDPR frameworks, with hands-on experience automating security solutions using Python and PowerShell.

Passionate about ethical hacking and proactive cyber threat mitigation.

EXPERIENCE

Cybersecurity Analyst Virtual Intern, Tata   *Aug 2024*
- Conducted Identity and Access Management (IAM) strategy assessments and crafted custom IAM solutions.
- Focused on secure access control and platform integration to enhance cloud security.

Cloud Security Trainee, IAM   *Nov 2024*
- Explored user authentication, authorization policies, and role-based access control (RBAC) in AWS.
- Learned to secure cloud resources using IAM policies and permissions.

Cybersecurity Trainee, Cyber Yodha Program, Rachakonda Police Commissionerate   *Apr 2023*
- Trained in cybercrime prevention, incident response, and ethical hacking.
- Participated in awareness campaigns and learned techniques to combat phishing, identity theft, and social engineering attacks.

EDUCATION

- **Gurunanak Institutions of Technical Campus** - *Bachelor of Technology, Computer Science and Engineering, Specialization in CyberSecurity ~ Aug 2024*   **CGPA -** 7.38/10

  Relevant Coursework: Network Security, Cryptography, Cloud Computing, Ethical Hacking
- **Vishra Junior College - Intermediate:** MPC (Mathematic, Physics, Chemistry) *~2020*   **CGPA -** 8.47/10
- **Sri Chaitanya Techno School - Secondary School Certificate *~2018***   **CGPA -** 8.70/10

CERTIFICATIONS

- **CISCO Ethical Hacking Certification**   *Feb 2025*
- **GOOGLE Cyber Security Professional Certification**   *Aug 2024*
- **CISCO Network Packet Tracer Certification**   *Dec 2024*

PROJECTS

Enhanced Attribute-Based Keyword Search for Secure Cloud Storage
- Developed a Key-Policy Attribute-Based Temporary Keyword Search (KP-ABTKS) scheme to secure cloud storage.
- Improved cloud storage security by 30% and reduced unauthorized access incidents by 25%.
- Utilized Python, AES encryption, and cloud security principles.

Dynamic AES Encryption and Blockchain Key Management for Cloud Security
- Designed a hybrid security solution combining dynamic AES encryption and blockchain-based key management.
- Improving data confidentiality by 40% and reducing key vulnerabilities by 50%.
- Enhanced protection against unauthorized access and threats, achieving improved security, adaptability, and efficiency in cloud storage.

SKILLS

Security Technologies	: Firewalls(Palo Alto, Cisco ASA), IDS/IPS, VPN Security, CyberArk, Wireshark, Metasploit, Burp Suite, SIEM (Splunk, ELK)
Cloud Security	: AWS IAM, Azure NSG, S3 Security, GCP
Operating Systems	: Windows, MacOS, Linux (Kali, Ubuntu)
Data Analysis	: Power BI (Threat Monitoring, Security Dashboards), Excel
Compliance Frameworks	: ISO 27001, NIST, GDPR
Scripting & Programming	: Python (Automation, Data Visualization), PowerShell, Bash, Java, C
Interests	: Capture The Flag (CTF) Challenges — Participating in cybersecurity competitions sharpen problem-solving skills., Cyber Threat Intelligence — Staying updated on emerging threats, vulnerabilities, and APT groups.