

# SHREYAS RAMESH

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## EDUCATION

### University at Buffalo, The State University of New York

Masters in Cybersecurity (STEM Designated)

Dec 2024

### Jawaharlal Nehru Technological University Hyderabad (JNTUH)

Bachelor of Technology in Information technology

Dec 2020

## SKILLS

Security Skills: Vulnerability Assessment, Web application Security, Cloud Security, Penetration Testing, Network Security

Azure: Azure VM, Azure Kubernetes service, Azure Functions, Application insights, Azure data factory, Azure DevOps.

Database Skills: SQL server, MySQL.

Scripting and Automation: PowerShell, Python, Linux Shell Scripting.

Monitoring tools: Splunk, Dynatrace, Datadog.

Operating Systems: Windows Server, Redhat Enterprise Linux 7+, Ubuntu 18+, Kali Linux.

## PROFESSIONAL EXPERIENCE

### Teaching Assistant, University at Buffalo, Buffalo, NY

Jan. 2024-May 2024

- Mentored and assisted students to understand cybersecurity concepts: data privacy, ethics, identity and access management.

### Azure DevOps Engineer, Value Momentum, India

Dec 2020 - July 2023

- Built 16 end-to-end environments consisting of multiple key azure resources including virtual machines, cloud services, storage accounts and CosmosDBs.
- Facilitated 129 production release deployments from a DevOps perspective.
- Analyzed and triaged 250+ real time production issues focusing on application recovery.
- Performed chaos tests to understand system vulnerabilities and created alerts on Splunk improving mean time to resolution by 20 percent.
- Integrated multiple websites with SAML integration to enable single sign on for enhanced security measures.
- Implemented LDAP to manage user identities across multiple systems centralizing user authentication experience.
- Owned the process and drove the implementation for a commercial web application architected on AKS.
- Automated quality check scripts to run on 200+ servers using PowerShell automation.
- Mentored 25 junior team members on best practices and Azure infrastructure.
- Documented process and technical nuances highlighting best practices for site and authored 50+ technical documents.
- Collaborated with 20 cross-functional teams, each specializing in different levels of escalations.
- Recognized for delivery excellence by automating and deploying automation scripts at scale for 200+ servers, reducing manual effort by 50+ hours.

### Content Developer, Weekend Thrill, India

May 2018 - Dec 2019

- Authored and published over 200 travel-related blogs and guides, implementing effective SEO techniques resulting in a 23 percent increase in website traffic from customers.

## CERTIFICATIONS

- CompTIA Security+ Jan 2024
- Azure Fundamentals AZ 900 Dec 2021
- Azure Administrator AZ 104 Oct 2022

## PROJECTS

### GuardianShield: Fortifying Security in a Multi-Tiered Web Landscape

Dec 2023

- Designed and deployed a website accessible to the internet while carefully integrating a variety of Centre for Internet Security (CIS) controls into the systems and improved security posture of the infrastructure by 25 percent.

### Research: Endpoint controls with a lens on PCI DSS

Aug. 2023-Dec. 2023

- Concluding why PCI is necessary and what endpoint controls are needed, like network segmentation and the zero-trust principle. Mapping endpoint software capabilities to PCI requirements reveals gaps and opportunities for improvement. Adoption of EDR, XDR, and Zero Trust Principle is crucial for enhancing product resilience.