

# Deekshith Reddy Addela

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## Summary

- Experienced Software Developer with strong skills in design, implementation, testing, and maintenance of cloud software solutions
- Proficient in multiple platforms and languages, including Python, GCP, AWS, Azure, and SQL
- Able to effectively self-manage during independent projects and collaborate as part of a productive team
- Successfully developed event-based guardrails to detect and remediate security misconfigurations on AWS, Azure and GCP services, including resource exceptions and notifications to users and dashboards
- Demonstrated success in developing in house CSPM solution for detecting and remediating security misconfigurations, implementing on-demand security scans.
- Experienced in conducting SSDLC Gap Assessments and Security Testing, supporting the development of CI/CD pipelines, and performing manual penetration testing and DAST scanning.
- Committed to staying current with industry trends and continuously expanding skills and knowledge

## Work Experience

### Deloitte USI, Hyderabad, India

#### *Sr. Analyst, Information Technology Infrastructure*

**May 2021 - Present**

- Developed event-based guardrails to detect and remediate security misconfigurations on AWS, Azure and GCP services with resource exceptions then notifying users and dashboards of misconfigurations. [Python, GCP, AWS, Azure, API, SQL]
- Implemented an on-demand scan for security misconfigurations on GCP Services and remediating misconfigurations after notifying user for 2 weeks. [Python, GCP, AWS, API, SQL]
- Designed and implemented Azure Security Automation and Orchestration (ASAO), automates everyday security tasks, such as resources event alerts, threat responses, and process workflows to streamline company security efforts from end to end. [Azure, Python, Splunk]
- Conducted SSDLC Gap Assessment and Security Testing as part of client's security program evaluation. [OWASP]
- Supported in building CI/CD pipelines for Build & Release process which includes Security Scanning and code quality scanning, Deployment Methodology and Application Configurations.

#### *Analyst, Risk Advisory Infrastructure & Cyber Security*

**July 2019 - May 2021**

- Designed and implemented data migration and ETL automation using Azure Data Factory and multi-processing python scripts which reduced run time from 10 hrs. to 25 mins. [Python, Azure, ServiceNow, SQL]
- Automated Security Operations for clients through DevOps Pipelines, Serverless deployments, and Infrastructure as Code languages like Terraform, CloudFormation using Python based serverless APIs. [Python, Azure, AWS, ServiceNow, DevOps]
- Automated a pipeline to classify multi-class unbalanced text using a machine learning model from ServiceNow to SQL. [Python, Azure, ServiceNow, SQL]
- Built a python accelerator to get all users and groups from Azure Active Directory and mapped Organization reporting structure in SQL. [Python, Azure, SQL]
- Performed Manual Penetration Testing and DAST scanning on client's Web Applications.

- Implemented DevSecOps CI/CD pipelines using Jenkins, ArcherySec, JIRA, Jfrog, etc., as a Firm Initiative. [DevSecOps, CI/CD]

### ***Technical Intern, Risk Advisory Cyber Security***

**Jan 2019 - May 2019**

- Completed cyber security training in cloud, application, and web security assessment and hardening.
- Built a Python accelerator to identify vulnerabilities in WordPress plugins and themes using URL input.
- Researched deep learning and deep fakes, implementing a face swap using C-GAN and autoencoder.

### **IIT Bhilai, India**

#### ***Intern, Computer Science - Cryptology & Cryptanalysis***

**May 2018 - July 2018**

- Researched cryptology and cryptanalysis of post-quantum cryptographic algorithms, with a focus on techniques to break Compact-LWE: A public key encryption scheme.

## **Courses & Certificates**

### **SANS - SEC510 – GIAC Public Cloud Security (GPCS)**

*Public Cloud Security: AWS, Azure, and GCP*

- Evaluation and comparison of public cloud service provider.
- Auditing, hardening, and securing public cloud environments.
- Introduction to multi-cloud compliance and integration.

### **SANS - SEC540 – GIAC Cloud Security Automation (GCSA)**

#### **Cloud Security & DevSecOps Automation**

- Secure cloud deployments on AWS, Azure, and Google Cloud platforms.
- Integrate security into automated pipelines with DevOps and engineering teams.
- Leverage cloud services and automation to scale and improve security capabilities.

### **Microsoft - AZ-204**

*Azure Developer Associate*

- Developing Azure compute solutions and Azure storage.
- Implementing Azure security, monitoring, troubleshooting, and optimizing Azure solutions.
- Connecting to and consuming Azure services and third- party services.

### **IBM – Data Analytics Diploma**

*1 year Data Analytics Course taught by IBM ICE Professionals*

- Theoretical and practical knowledge of Virtualization and introduction to Cloud Computing.
- Introduction to Business Intelligence, Business Analytics, Big Data Analytics and social media and Web Analytics.

### **Certified SAgile 5 Practitioner**

*Scaled Agile Framework*

- Acquired skills in applying Lean-Agile principles to improve value delivery and drive business results.
- Developed skills in leading the transformation to a Lean-Agile enterprise and navigating the challenges that come with it.
- Demonstrated expertise in Lean-Agile principles and practices for effective Lean-Agile leadership.

## Stanford University – Coursera – Machine Learning

*11 weeks course taught by Andrew Ng*

- Introduction to machine learning, data mining, and statistical pattern recognition.
- Supervised learning, Unsupervised learning, and Reinforcement learning.
- Best practices in machine learning and Applying learning algorithms numerous case studies.

## Skills

- **Cloud Platforms:** GCP, Azure, AWS
- **Languages:** Python, C++, C#, SQL, Java, JavaScript, NodeJS
- **Frameworks & Benchmarks:** CIS Cloud Security Benchmarks, OWASP Top 10, Capability Maturity Model Integration (CMMI)
- DevSecOps, Git, ServiceNow, Kubernetes, Docker, ETL, NLP

## Education

**Sreenidhi Institute of Science & Technology (SNIST), Hyderabad, India**

**Aug 2015 - May 2019**

*Bachelor of Technology - Computer Science & Engineering*

- CGPA 9.6

## Additional Information

- **Social Impact:** NSS Volunteer (2015 - 2019), Village Youth Association - Volunteer & Treasurer (2016 - Present).
- **Personal Interests:** Farming/gardening, solving puzzles, reading blogs/manga, watching anime.
- **Professional Interests:** AI & ML, Cyber Security (CTF).