

# Mahendranath Reddy Palle

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## Summary

Experienced Cloud Engineer with over two years of expertise in managing enterprise systems and deploying cloud solutions on platforms like Azure, AWS, and GCP. Skilled in leveraging Infrastructure as Code (IaC) tools such as Terraform to automate workflows and optimize deployments. Demonstrated success in managing SAP workloads on Azure while ensuring performance, security, and scalability. Pursuing a Master's in Computer Science (graduating May 2025) with certifications in Azure (AZ-900, AZ-104). Dedicated to designing and implementing efficient, reliable, and future-ready cloud solutions.

## Skills

<b>Cloud</b> Azure, AWS, GCP	<b>Databases</b> SQL, NoSQL, Managed Instances
<b>IaC</b> Terraform, ARM Templates	<b>Monitoring</b> Cloud Watch, Azure Monitor
<b>Scripting</b> PowerShell, Python, Bash, Ansible	<b>Containerization</b> Docker, Kubernetes
<b>Networking</b> VNETs, Gateways, Load Balancing, Firewalls	<b>CI/CD Tools</b> Git
<b>Security</b> IAM, Security Groups, Network Security	

## Experience

### Cognizant

Jul 2021 – Jul 2023

Azure/SAP Administrator

#### Client: Orica

- Administered Azure infrastructure for hosting SAP systems, ensuring high availability, security, and scalability.
- Automated resource provisioning and deployments using Terraform, streamlining infrastructure management.
- Monitored SAP application performance with Azure Monitor and Log Analytics, proactively resolving issues to maintain reliability.
- Implemented RBAC and Azure Security Center policies, safeguarding sensitive data and meeting compliance standards.
- Configured and managed Azure-based storage solutions, including Blob Storage, Azure Files, and Data Lake, ensuring data accessibility, redundancy, and security.
- Troubleshooted and resolved Azure cloud service issues, network connectivity, and application performance, reducing downtime and improving system reliability.
- Designed disaster recovery strategies with Azure Site Recovery, ensuring business continuity for critical workloads.
- Collaborated with cross-functional teams to optimize SAP solutions within Azure environments, improving efficiency and performance.

### Core el Technologies

May 2020 – June 2020

Software Intern

- Analyzed and visualized large datasets using Python, Pandas, NumPy, and Matplotlib.
- Cleaned and processed data efficiently, providing insights via data visualization techniques.

## Education

### Purdue University

Aug 2023 – May 2025

Masters in Computer Science

### Certifications

- Microsoft Azure- Microsoft Certified Azure Administrator (AZ-104)
- Microsoft Azure- Microsoft Certified Azure Fundamentals (AZ-900)

## Projects

### Multi-cloud Infrastructure using Terraform

- Designed and deployed cloud infrastructure across Azure and AWS using Terraform, automating the provisioning of virtual networks, VMs, security groups, and storage solutions like Azure Blob and AWS S3.
- Integrated Azure VMs and AWS EC2 instances, ensuring secure communication and load balancing across both environments to enhance availability and scalability.
- Implemented CI/CD pipelines with Terraform for automated infrastructure updates, enforcing security best practices using IAM roles, security groups, and Azure RBAC.

### **Cloud Resume Challenge -Azure**

- Designed and developed a responsive resume website using HTML/CSS and deployed it as a static site in an Azure Storage Account.
- Configured the Azure Storage Account with appropriate security measures and access controls for web hosting.
- Currently working on integrating a visitor counter on the website by creating an Azure Function that connects to Cosmos DB to track and display the number of views dynamically.
- The project demonstrates proficiency in cloud resource management, serverless computing, and static website hosting on Azure.