Abhiram Reddy Veeramalla

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Summary

Delivered robust cloud solutions through **Azure DevOps**, **streamlined** deployments using **Python** and shell scripting. **Optimized** CI/CD pipelines and **automated** infrastructure using **YAML**. Furthermore, made impactful Power BI dashboards changes, **resolved** data issues using KQL, and **developed** reusable KQL functions for Azure Logic Apps and cross-cluster mapping of Azure DevOps area paths to ServiceTree metadata, enhancing visibility and operational efficiency.

Experience

Software Trainee   *Warangal, TS*
Quadrant Technologies   *Nov 2024 – Present*

Kusto Query Language (KQL)

- Created reusable functions for Azure Logic Apps to streamline data operations.
- Developed cross-cluster KQL functions to map Azure DevOps area paths to ServiceTree metadata, enhancing repair item tracking and service ownership visibility.

Power BI

- Created several visualizations to enhance existing dashboards and improve data storytelling.
- Refreshed dashboards and resolved data errors using Kusto Query Language (KQL).
- Developed custom measures using basic DAX to support analytical requirements.

S360

- **Delivered** comprehensive security solutions for the S360 portal, enhancing data protection and compliance monitoring through **Microsoft Purview** integration.
- **Implemented** automated security controls and monitoring systems, resulting in a reduction in security incidents and **improved threat detection**.

Software Engineer Intern   *Warangal, TS*
Quadrant Technologies   *Jul 2024 – Oct 2024*

- Successfully completed intensive training in **Azure Fundamentals**, gaining hands-on experience with cloud services, virtual machines, and storage solutions during **internship**
- **Contributed** to DevOps projects by assisting in implementing CI/CD pipelines faster deployment cycles
- **Collaborated** with senior DevOps engineers in implementing **Infrastructure as Code** practices using Azure templates and YAML configurations

Technologies

Languages: Python, Yaml, Html, Css, PowerShell, SQL, KQL

Technologies: Azure, CI/CD, DevOps, Kusto Explorer, PowerBI

Skills: Azure: ADF, Azure LogicApps, Service Principles, Key Vault, Microsoft Entra Identity

Projects

A Natural Language-Powered SQL Query Generation System

- **Pioneered** a cutting-edge NLP-driven system that empowers users to generate SQL queries from natural language, dramatically enhancing database accessibility.

- ○ **Engineered** algorithms for efficient query translation.
- ○ **Simplified** database access for non-tech users.

A Sensor-Based Alarm System for Enhanced Highway Safety
- ○ **Engineered** a sensor alarm system to enhance highway safety.
- ○ **Implemented** ultrasonic sensors to detect close-range vehicles.
- ○ **Triggered** timely alarms when safety thresholds were breached.

Education

Balaji Institute of Technology and Science   *Nov 2020 – Jun 2024*
Artificial Intelligence and Machine Learning

Certificates

- ○ [**Microsoft Certified: Azure Fundamentals** ↗](#)