ERRAGUNTA SATYA VINAYAK

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Portfolio LinkedIn GitHub

SUMMARY

Proactive and certified Cloud Engineer with extensive experience in Google Cloud Platform. Skilled in automation through Terraform and monitoring with the Cloud Operations Suite. Committed to implementing SRE principles to improve system uptime and performance. Enthusiastic about creating secure, scalable cloud solutions and working alongside cross-functional teams to achieve successful business outcomes.

WORK EXPERIENCE

Cloud Engineer - Google Cloud Platform   **July 2024 - Present**
Movate Technologies

- Configured IAM roles, policies, and service accounts to enforce least privilege access and enhance cloud security compliance.
- Provisioned and managed GCP infrastructure components, including Compute Engine, Cloud SQL, Cloud Storage, and VPC networks, ensuring high performance and availability.
- Automated infrastructure provisioning with Infrastructure as Code (IaC) using Terraform, supporting scalable and reproducible deployments.
- Monitored cloud environments using Cloud Monitoring, Logging, and alerting policies to proactively detect and resolve system issues.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering   **2020 - 2024**
Sri Manakula Vinayagar Engineering College | CGPA: 8.59

Higher Secondary Education - MPC   **2018 - 2020**
Narayana Junior College | CGPA: 9.38

Secondary School Certificate (SSC)   **2017 - 2018**
Sarada Vidya Niketan Govt Aided High School | CGPA: 9.7

PROJECTS

Enhancing Cybersecurity Threats Using Transfer Learning Approach

Tech Stack: Python · TensorFlow/Keras · Scikit-learn · BERT · XLNet · Pandas · NumPy · Matplotlib · Seaborn

- Designed a deep learning model leveraging Transfer Learning (BERT/XLNet) to classify and detect cybersecurity threats in real-time network traffic and system logs.
- Utilized pre-trained language models for log file analysis and threat pattern recognition, achieving up to 92% accuracy on benchmark datasets.
- Applied domain-adaptive fine-tuning on security datasets and visualized results using Matplotlib/Seaborn.
- Significantly reduced false positives using advanced NLP feature extraction and improved response time by 60% with optimized model deployment.

Scalable Cloud Architecture Simulation with Terraform (GCP Focus)

Tech Stack: Terraform · GCP (simulated) · IAM · VPC · Compute Engine

- Designed a modular Terraform architecture to simulate GCP infrastructure provisioning using best practices in Infrastructure as Code (IaC).
- It's ideal for showcasing your Infrastructure-as-Code (IaC) skills without actually provisioning cloud resources.
- Implemented custom modules for VPC networks and Compute Engine instances with parameterized inputs and reusable configurations.
- Configured a local backend to manage Terraform state and simulate cloud deployment without active billing or cloud access.

SKILLS

- **Cloud Platforms:** GCP │ AWS
- **Version Control & Containerization:** Git │ Docker │ Kubernetes
- **Operating Systems:** Windows │ Linux
- **Programming Languages:** Python │ Java
- **Core Concepts:** Data Structures │ OOPS │ SQL
- **Web Technologies:** HTML │ CSS
- **Tools:** VS code │ Excel

CERTIFICATIONS

- Google Certified : Associate Cloud Engineer Certification
- NPTEL: Programming in Java and Python for Data Science
- Microsoft Certified: Azure Fundamentals (AZ-900)
- AWS Certified: Introduction to Cloud 101
- IBM: Python for Data Science