

Vinay Kumar Duvva

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Aspiring Software Engineer | Cloud & DevOps Enthusiast

Summary

Motivated Software Engineer with hands-on experience in cloud platforms (**GCP, AWS, Azure**), **DevOps** tools, and programming in **Web Development, Python, Java**, and **C**. Skilled in building scalable infrastructure, automating deployments, and securing cloud environments. Eager to contribute to innovative software solutions in a dynamic engineering team.

Experience

PE - Content Services - Data

Cognizant Technology Solutions, Hyderabad.

May 2024 - Present

- **Maintained** 99% compliance accuracy, consistently exceeding SLA targets and driving operational excellence.
- **Optimized** escalation workflows and platform tooling through cross-functional collaboration, improving platform safety score by **15%**.
- **Enforced** risk mitigation strategies and enhanced process by **100% quality assurance** in alignment with corporate security standards.

Education

Sri Indu Institute of Engineering & Technology, Hyderabad.

Bachelor of Technology - Electronics and Communication Engineering || **GPA: 7.06**

Aug 2019 - Jul 2023

Narayana Junior College, Hyderabad.

Intermediate - MPC || **Percentage: 93.2**

Jun 2017 - Mar 2019

Skills

- **Programming Languages:** Python, Java, C, HTML, CSS, JavaScript
- **Cloud Platforms:** GCP, AWS, Azure
- **DevOps & Tools:** Git, GitHub, Docker, Kubernetes (GKE, AKS), Jenkins, Terraform, Helm
- **Software Engineering:** REST APIs, CI/CD, Infrastructure as Code (IaC), Monitoring
- **Networking:** Subnetting, Load Balancing, VPNs, DNS, Routing, Firewalls
- **Security & Compliance:** IAM, RBAC, Encryption, GuardDuty, CloudTrail, CloudWatch
- **Operating Systems:** Linux, Windows
- **Version Control:** Git, GitHub

Projects

GCP VPC and Kubernetes Cluster Deployment (Personal Lab Project)

Apr 2025

- **Architected** a secure and scalable VPC architecture with subnets, firewall rules, and Cloud NAT on GCP.
- **Deployed** a production-ready GKE cluster using Terraform, **reducing deployment time by 40%**.
- **Automated** infrastructure with Terraform and Helm charts, **boosting deployment repeatability by 80%**.
- **Enabled** Stackdriver Monitoring and Logging to maintain **99.9% uptime** with active alerting.

Deploying Virtual Networks in Azure - [Project Link](#)

Mar 2025

- **Designed** and implemented a virtual network architecture across **3 Azure regions** for Contoso Ltd.
- **Configured** 3 VNets and 6 subnets, **reducing internal traffic cross-talk by 40%**.
- **Optimized** IP address allocation to support future scalability of up to **2x the current capacity**.

IoT Based Virtual Doctor Using Raspberry Pi

Jan 2023 - Apr 2023

- **Developed** an IoT-based healthcare solution impacting rural areas, improving remote **consultation rates by 25%**.
- **Built** a web-based remote diagnosis system, increasing rural healthcare access by 45%.
- **Integrated** real-time data logging and sensor interfacing, reducing healthcare delivery costs by 30%.

Certifications

AWS Certified Cloud Practitioner - Amazon Web Services | [Certificate](#)

Jun 2025

Associate Cloud Engineer - Google | [Certificate](#)

May 2025

Azure Network Engineer Associate - Microsoft | [Certificate](#)

Apr 2025

Azure Fundamentals - Microsoft | [Certificate](#)

Mar 2025

Programming with JavaScript (Meta) - Coursera | [Certificate](#)

Dec 2024

Introduction to Front-End Development (Meta) - Coursera | [Certificate](#)

Nov 2024