MANOJ G K

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# PROFILE SUMMARY

Analytical and detail-oriented MCA student with hands-on experience in Python development, cloud deployment, and DevOps practices. Proficient in designing user-focused web applications, optimizing backend logic, and maintaining code quality. Adept at working with cloud platforms, automation tools, and collaborative workflows. Strong communicator with a passion for continuous learning, systems thinking, and delivering scalable solutions.

# EDUCATION

NITTE Meenakshi Institute of Technology, Bangalore November 2024 - Present

***Master of Computer Application CGPA: 7.48***

Don Bosco Degree College, Chitradurga June 2021 - August 2024

***Bachelor of Computer Application CGPA: 8.07***

# PROFESSIONAL EXPERIENCE

**IT Quiz Web App —** [**GitHub**](https://github.com/ManojGK-2002/IT_puzzel) ***|*** [***Live Site***](http://13.126.222.184/)

* Built an interactive quiz platform using Flask and MySQL, engaging over 100 users within the first week
* Configured and launched the application on AWS EC2 with Nginx and Gunicorn for high reliability
* Set up Route 53 and SSL certificates to enhance domain routing and site security
* Refined backend performance, reducing response latency by 40% through logic optimization
* Integrated CI/CD pipelines using GitHub Actions and Jenkins for automated deployment and real-time debugging

**AWS VPC with Secure Web Application Deployment**

* Designed and implemented a robust AWS VPC architecture spanning multiple Availability Zones with public and private subnets.
* Configured Internet Gateway, NAT Gateway, and Bastion Host for secure access and controlled traffic flow.
* Deployed a web application and database on EC2 instances in private subnets, ensuring isolation and security.
* Configured an Application Load Balancer (ALB) with target groups and security groups to provide high availability, scalability, and secure access.
* Integrated DNS records in Amazon Route 53 to enable access through a custom domain name.

# SKILLS

**Programming & Tools:**

* Java, Python (Intermediate).
* Amazon Web Services (AWS) – EC2, S3, IAM, VPC, Application Load Balancer, Route 53, Security Groups, NAT Gateway, Bastion Host.
* Git & GitHub – Version control, branching strategies, GitHub workflows.
* Docker – Image creation, container lifecycle.
* Kubernetes – Pods, Services, Deployments, Cluster management.
* Linux – Basic command-line usage, file system navigation, user and permission management, package installation, and service handling.
* CI/CD pipelines (Basic)– Jenkins, GitHub Actions.

# Soft Skills:

* Problem-solving, teamwork, and communication.
* Time management and attention to detail.
* Critical Thinking.
* Self-Motivation & Curiosity.

# CERTIFICATIONS

* **AWS Certified Cloud Practitioner** – Jan 2025 to Mar 2025 | [[*Link*]](https://drive.google.com/file/d/1EEd8u3slvTVrI9GLBSl13dWs7dtR7gC8/view?usp=drive_link)
* **Cisco Certified: Networking Basics –** June 2025 | [[*Link*]](https://drive.google.com/file/d/1vMw68EeZgX8rAdsnK1WGBDQU5ay7b_4D/view?usp=drive_link)
* **AWS Cloud Quest: Cloud Practitioner –** August2025| [[Link](https://www.credly.com/badges/80543e7e-8b88-44fc-86ba-12ce91683d86/linked_in?t=t1cc3g)]
* **SCALER – Certificate of Excellence in DBMS** - May 2025 [[Link](https://moonshot.scaler.com/s/li/r3z1E7hqAv)]

**VOLUNTEER**

* **Visthar NGO – Bengaluru (Jun 2025 – Present)**Contribute weekly to eco-friendly initiatives by creating useful items from waste paper and supporting gardening activities**.**