ANUSHKA PABBOZ

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EDUCATION:

S. No	Course	Institution	Board/University	Year	Percentage/CGPA
1	B.Tech	CMR Technical Campus (ECE)	JNTU	2024	70.0
2	Intermediate	Kakatiya j Junior College, Nizamabad. (MPC)	TSBIE	2020	80.1
3	SSC	Nirmala Hrudaya High School, Nizamabad.	TSBSE	2017	8.5

TECHNICAL SKILLS:

- Proficiency in programming languages such as **Python**.
- Have hands-on experience in **AWS.**
- Have hands-on experience in writing Terraform scripts, Dockerfile**.**
- Have strong knowledge in **EC2,S3,Load balancer**(Classic load balancer, Application Load balancer), **Nginx, Vpc, Docker.**
- Have knowledge in **SQL.**
- Able to use **Linux** commands.
- Ensure high availability, scalability, and security of our cloud-based systems.
- Design and implement CI/CD pipelines using tools like Jenkins, GitLab CI/CD, or **AWS DevOps**.
- Develop and maintain the existing infrastructure on **Aws.**
- Generate regular reports on infrastructure management.

PROJECTS:

- **Underwater image enhancement for real time applications**

  The project results show that the advantages of the proposed method are that it eliminates the influence of underwater environmental factors, enriches the colour, enhances details, achieves higher scores in PSNR and SSIM metrics, and helps feature key point matching get better results.

- **Detection of liver cancer using K-means clustering algorithm**

  Liver cancer, also known as hepatocellular carcinoma (HCC), is one of the leading causes of cancer-related deaths worldwide. k-means clustering method on enhanced image for the segmentation of liver cancer cell from the organ. K-means clustering aims to partition observations into k clusters in which each observation belongs to the cluster with the nearest mean, serving as a prototype of the cluster. It is one of the simpler and easier in Computation of an efficient clustering algorithm for the detection of liver cancer**.**

TECHNICAL PROJECTS:

- **3-Tier Architecture Deployment using Terraform**

  Designed and implemented a 3-tier architecture .Terraform scripts for reusable and maintainable infrastructure. Configured networking components (VPC, subnets, security groups) and load balancers for optimal traffic distribution. Implemented state management using Terraform backend for collaboration and version control.
  GitHub Repository: https://github.com/Pabboz-Anushka/3-tier-architecture-terraform

- **Dockerized Web Application Deployment**
  Developed a Dockerfile to containerize a web application, enabling consistent deployment across environments. Configured Apache HTTP server within the Docker container and set up custom configurations using httpd.conf. Utilized multi-stage builds to optimize the Docker image size and improve performance.Pushed the Docker image to Docker Hub and automated the deployment process using CI/CD pipelines. Technologies: Docker, Apache, CI/CD, Bash, Git.
  GitHub Repository: **https://github.com/Pabboz-Anushka/project**

CERTIFICATIONS:

- **AWS cloud computing** certification by CareerX.
- Digital marketing certification by google.

ROLES AND RESPONSIBILITIES:

- Took up the role of **Class Representative** since 1st year of my BTech.
- Participate in on-call rotations to provide 24/7 support
- Collaborate with development teams to identify and resolve deployment issues.

EXTRA-CURRICULAR ACTIVITIES:

- Profound interest in **Dance,** given performances in school and college.
- Participated in **Azura** competition.

LANGUAGES KNOWN:

English, Telugu, Hindi.

ADDITIONAL SKILLS:

- **Social Responsibility,** worked for an NGO (Enlightening Lives) by collecting funds and donating essentials to orphans. Donated food, masks to the daily wage workers during Corona pandemic.
- Iam strong in **verba**l and written **communication skills.**
- Iam Good in **Analysis** and **Troubleshooting skills.**

HOBBIES:

Dance, Playing Badminton, Cooking.