

PUSHPENDRA SAHU

Gwalior, Madhya Pradesh, India, 474001

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EDUCATION

University Institute of Technology RGPV , Shivpuri

July 2023 – May 2027

B.Tech in Computer Science And Engineering

Shivpuri(M.P.)

- CGPA: 7.52

Jiwajirao higher secondary school , Gwalior

July 2022 – May 2023

Higher Secondary

Gwalior(M.P.)

- Grade: 92.8 %

PROJECTS

Cloud Cost Optimization - AWS

- Implemented Lambda function that fetches all EBS snapshots owned by the same account ('self') and also retrieves a list of active EC2 instances (running and stopped).
- For each snapshot, it checks if the associated volume (if exists) is not associated with any active instance. If it finds a stale snapshot, it deletes it, effectively optimizing storage costs

Kubernetes End to End Deployment — EKS

- Deployed a game application by creating a cluster with Fargate and utilizing replicas in deployment to ensure auto-healing and ease of auto-scaling, configured application load balancer.
- exposed the application to the outside world through an external IP.

End to End CI/CD Implementation — Jenkins

- Implemented an end-to-end CI/CD pipeline for java-based application using Jenkins declarative pipelines which includes various stages such as Build, Unit testing, Static code analysis, SAST, DAST, Creation of Docker Images
- Deployment on Kubernetes platform using Argo CD.

TECHNICAL SKILLS

- **Languages:** Java, Shell Scripting, YAML
- **Cloud:** AWS
- **Containerization:** Kubernetes, Docker, Helm
- **CI/CD:** Jenkins, Github Action, ArgoCD
- **Infrastructure as code (IaC):** Terraform, Cloudformation
- **Monitoring:** Grafana, Prometheus
- **Course Work:** Operating Systems, Computer Networks, Data Structures & Algorithms, Object Oriented Programming.

ACHIEVEMENTS / HONORS

- Participated in **Hackathon Workshop on Cyber Hygiene & Technology Management** organized by the **Indo-Tibetan Border Police, Ministry of Home Affairs, Govt. of India** — Dec 2024
- Secured position in **Yoga event** during **Udaan Sports Fest 2024** organized by UIT RGPV Shivpuri — Nov 2024
- Successfully participated in **CodeManthan** coding competition organized by **Technoverse Club**, UIT RGPV Shivpuri — Mar 2025