PREETY KUMARI

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EDUCATION

GURU GHASIDAS UNIVERSITY   **Bilaspur, Chhattisgarh**
Bachelor of Technology - ECE, CGPA: **7.75**   2021- 2025

WORK EXPERIENCE

LINUX WORLD PVT LMT   Jan 2025 – Jun 2025
AWS Cloud and DevOps Intern
- **Designed and automated scalable AWS infrastructure** (EC2, S3, RDS, IAM, Lambda) with Terraform, CloudFormation, and Python; monitored performance using Prometheus, Grafana, and CloudWatch.
- **Built CI/CD pipelines** with Jenkins, GitHub Actions, and ArgoCD; containerized apps with Docker and Kubernetes; enforced DevSecOps practices for secure, reliable deployments.

PRESEAR SOFTWARE PVT LMT   Aug 2022 – Jan 2024
Cloud Computing Intern
- Built and deployed **web applications** on **AWS EC2** and **Amplify**, ensuring scalability and reliability.
- Configured **Load Balancers** and **RDS** for traffic management and secure data storage.
- Gained hands-on experience with **multiple AWS services**, cloud monitoring, and performance optimization.

PROJECTS

Optimizing Microservices Deployment — AWS EKS, Kubernetes, ArgoCD, Istio, Prometheus, Grafana *GitHub*   Jan 2025
- Deployed a **Kubernetes cluster on AWS EKS** to orchestrate scalable microservices.
- Automated deployments with **ArgoCD**, enabling GitOps workflows from GitHub.
- Used **Istio, Prometheus, Grafana, and Kiali** for secure traffic management, monitoring, and visualization.

Py-CloudOps: AWS Task Automation Suite — *Python, AWS Services GitHub*   Jun 2024
- Developed **Py-CloudOps**, a Python tool for automating **AWS tasks** like EC2 launches and S3 uploads.
- Added features for **text-to-speech**, WhatsApp messaging, and Instagram posting.
- Focused on **modular, reusable code** for reliable local and cloud operations.

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, C, JavaScript, SQL
Web & Frameworks: HTML, CSS, React.js, MySQL
Cloud & DevOps: AWS, Docker, Kubernetes, Terraform, Jenkins, ArgoCD, Prometheus, Grafana, CI/CD pipelines
Tools & Version Control: Git, GitHub, VS Code, Visual Studio, Linux (RHEL 9), Bash Scripting
CS Fundamentals: Data Structures, Algorithms, OOP, DBMS, Operating Systems
Other: MS Word, Excel, PowerPoint

CERTIFICATIONS & LEADERSHIPS

AWS DeepRacer Contest Participant — Explored reinforcement learning and autonomous driving.
Google Cloud Study Jam — Completed hands-on labs; earned certification.
Python Programming Certificate, FreeCodeCamp; completed ARCADE cloud labs with performance recognition.
Chairperson, IEEE GGV Student Branch — Organized technical events and led student engagement.
Team Lead, ECE Dept. Newsletter — Managed editorial activities.
Volunteer, IEEE MP Section; active member of **WIE IEEE**, **Silicon Club**, and **Techfest**.