

Priyanshu Kumar

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SKILLS AND CERTIFICATIONS

DevOps & Cloud tools: Azure DevOps | CI/CD Pipelines | GitHub Actions | Azure | Terraform(IaC) | Docker | Kubernetes | PS
Programming & Scripting: C | C++ | Python | PowerShell | Linux **Monitoring & Tools:** Prometheus | Grafana | Datadog
Version Control & Collaboration: Git | GitHub | Azure Repos **Design and Documentation:** Draw.io | Figma | Canva
IBM SkillBuilds: Cloud Computing Fundamentals | Completed courses: ALM-COURSE_4058951, ALM-COURSE_4058952

EDUCATION

Indian Institute of Technology Kharagpur | GPA: 8.5/10 [Nov'21 - Apr'26]
Maheshwari Public School Kota | Class XII | 93% [Apr'19 - Mar'20]
Rashtriya Military School Bangalore | Class X | 93.6% [Apr'17 - Mar'18]

INTERNSHIPS

Infrastructure Automation on Azure DevOps | DevOps Insiders, New Delhi | Remote [Dec'24 - Jul'25]

- ❖ Implemented IaC with **Terraform** to provision **15+** Azure resources using **DevSecOps** and reliable deployments
- ❖ Optimized Terraform configurations using **for_each with map, dynamic, output** and **data block** inside child module
- ❖ Implemented **landing zone HLD** and deployed it via Azure DevOps pipeline using **trunk-based branching strategy**
- ❖ Used **linting** and **security scanning tools** in pipeline for application deployment using **git-flow branching strategy**

Self-healing Infrastructure Monitoring | Elevate Labs, Bangalore | Remote [Aug'25 - Sep'25]

- ❖ Containerized Nginx and the **monitoring stack** using Docker, configuring networks for seamless communication
- ❖ Integrated **Grafana** with **Prometheus** and built dashboard to visualize active connections, requests and error rates
- ❖ Ensured reliable observability by validating exporter endpoints and confirming metric scraping into Prometheus
- ❖ Built and automated a CI/CD pipeline using Jenkins, integrating GitHub as SCM and orchestrating multi-stage jobs

SELF-PROJECTS

Containerised Web-App Deployment | Docker, Kubernetes 2025

- ❖ Deployed a Dockerized web app on Kubernetes; pushed images to Docker Hub and scaled 3 pods via manifests
- ❖ Configured external service exposure on Minikube and validated end-to-end availability during redeployments

Workflow Automation with GitHub Actions | Docker, GitHub Actions 2025

- ❖ Built a CI/CD pipeline to automate Docker builds for a Node.js + Express app and secured via GitHub Secrets
- ❖ Enabled automated deployments on every commit, validating container runs and achieving consistent releases

COURSEWORK

CS10001: Programming and Data Structures | C programming | Data Structures and Algorithms | Recursive Programming
CS19101: Programming and Data Structures Tutorial and Laboratory | **MA10001:** Linear Algebra | **AR13205:** Graphics Vis

POSITION OF RESPONSIBILITIES

Coordinator | **TEDxIITKharagpur** | Coordinated PR, Design, Curation and Web teams [Aug'24 - Apr'25]
Executive Editor | **Technology Literary Society IIT Kharagpur** | Led editorial team and spoken events [Aug'24 - Apr'25]
Co-curriculars | **Technology Students Gymkhana IIT Kharagpur**

- ❖ Represented Azad Hall of Residence as part of Basketball Team in General Championship 2024, till quarter-finals
- ❖ Participated in Farrago 2022 and 2023, the flagship English spoken event, delivering an original self-written poem