

# 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 Kharapur** | 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