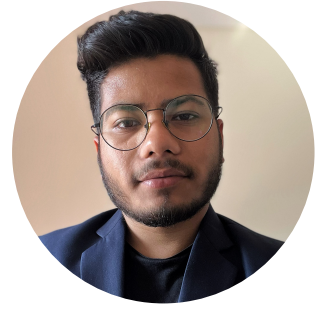


# Harshit Bisht

🏠 Erwin Rommel Straße 51,  
91058, Erlangen  
☎ (+49) 15214065674  
✉ harshit.bisht108@gmail.com  
🌐 github.com/Bisharsh  
🌐 linkedin.com/in/harshitbisht  
🌐 researchgate.net/profile/Harshit-Bisht



## ABOUT ME

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Skilled DevOps Engineer with 3+ years of experience specializing in automating & optimizing cloud infrastructure and deployments. Possesses B1 level German proficiency and strong hands-on experience in Azure, AWS, Github Actions, Azure DevOps, Docker, Kubernetes and Terraform, with a passion for developing solutions to streamline the Software Development Lifecycle.

## SKILLS

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**DevOps:** Azure DevOps, GCP Cloud Build, Bash, Docker, Helm, Git, Github Actions, Terraform, Kubernetes  
**Cloud:** AWS EKS, EC2, S3, Google Kubernetes Engine, Azure Kubernetes Service, Azure AD, Azure DevOps  
**Other Tools:** Jira, Confluence, Lens, Rancher, Datadog, Postman, Office 365, VS Code, Visual Studio  
**Soft Skills:** Problem Solving, Communication, Teamwork, Time Management, Adaptability  
**Languages:** English (C1), German (B1)

## WORK EXPERIENCE

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### PricewaterhouseCoopers (PwC AC)

Bangalore, India

Jul 2022 - Oct 2024

- **Associate 2 - DevOps Engineer**

- AKV secret management: Reduced manual update time from 2 days to 10 minutes by developing a secret rotation pipeline using Azure DevOps, significantly enhancing security and operational efficiency.
- Resolved AgentPool Bottleneck: Decreased pipeline queue by 80% via implementation of a self-hosted Azure DevOps AgentPool with Docker Agents, enabling the team to run multiple pipelines across projects.
- Deployment & Troubleshooting: Deployed and troubleshot multiple ChatPwC's plugins on environment specific AKS clusters via CI/CD pipelines and Helm while working with dev teams across US, Poland, Germany, Romania, China & Mexico.
- Managed Kubernetes Clusters: Managed and upgraded Kubernetes clusters across EMEA and US without any downtime post validating the prerequisites: Pod Disruption Budgets, Ingress version etc.
- Multi-region infrastructure management: Created and maintained Azure infrastructure for ChatPwC project across EMEA and US using Terraform modules and ADO YAML pipelines.

- **Associate - Cloud Engineer**

Jun 2021 - Jul 2022

- Cloud cost optimization: Reduced cloud expenses by conducting thorough analysis, identifying, and cleaning up non-essential resources across multiple AWS Accounts.
- AWS infrastructure: Successfully setup, configured and managed AWS services such as: S3, EC2, EKS etc, as requested by the dev team with the help of terraform.
- Enhanced CI pipeline security: Improved robustness and security of CI pipelines by replacing Docker-in-Docker (DinD) with Kaniko build process, mitigating potential security vulnerabilities.

### Amazon

Noida, India

Sep 2020 - May 2021

- **SDS Associate**

- Logistics Optimization: Assisted in managing logistics data for Amazon Logistics operations in North America (US & Canada) by leveraging AWS S3 for structured data storage and Athena for querying delivery performance insights.
- Monitoring & Issue Resolution: Used Amazon CloudWatch to track data processing metrics for 500+ delivery stations, helping identify anomalies & improve last-mile delivery efficiency.
- Knowledge Sharing & Team Support: Acted as a Subject Matter Expert (SME), mentoring 8 new associates on cloud-based logistics data management, ensuring adherence to best practices.

## EDUCATION

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**Guru Gobind Singh Indraprastha University**  
Bachelor of Technology

New Delhi, India  
Aug 2016 - Sep 2020

## PERSONAL PROJECTS

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### **go-web-app**

*Skills: GitHub Actions, AWS, Kubernetes, OIDC, Terraform, Go, ArgoCD*

Deployed a go web app using Github Actions for CI on EKS cluster instated in us-east-1 via terraform automa-tion utilising ArgoCD for the CD and OIDC for AWS authentication.

### **gcp-devops**

*Skills: GCP, Terraform, Kubernetes, Cloud Build, Python*

Deployed a flask application to a GKE cluster created with Terraform, utilizing GCP's Cloud Build for CI/CD automation.

### **Netflix-AWS**

*Skills: GitHub Actions, Terraform, Kubernetes, AWS*

Deployed a Netflix clone to an Amazon Elastic Kubernetes Service (EKS) cluster using GitHub Actions for CI/CD and Terraform as Infrastructure as Code (IaC).

### **akv-automation**

*Skills: Azure DevOps, Azure Key Vault, CI/CD*

Developed an Azure DevOps pipeline to automate the movement of secrets from the Azure library to Azure Key Vault for the respective environments.

### **git-access**

*Skills: Bash, Git*

Created a Bash script to automate checking access permissions to GitHub repositories.

## CERTIFICATES

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- HashiCorp Certified: Terraform Associate (003)
- Microsoft Certified: DevOps Engineer Expert (AZ-400)
- Microsoft Certified: Azure Administrator Associate (AZ-104)
- Microsoft Certified: Azure AI Engineer Associate (AI-102)
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Microsoft Certified: Azure Data Fundamentals (DP-900)
- Microsoft Certified: Azure AI Fundamentals (AI-900)
- Amazon Web Services: AWS Certified Cloud Practitioner
- Google Cloud platform: GCP Associate Cloud Engineer
- PwC: Data-Driven Decision Making, Digital Acumen Knowledge Badge
- Goethe Institut: Goethe-Zertifikat B1
- Duolingo English Test: CEFR C1 (Advanced)

## RESEARCH PUBLICATIONS

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- Artificial Intelligence in the Insurance Sector - Journal of The Gujarat Research Society
- Blockchain for Loyalty Rewards Program Management - Journal of The Gujarat Research Society
- Rocker Rover And Its Implementation - Journal of Emerging Technologies
- Modeling of Rocker Rover for Its Implementation - IJRTE (SCOPUS INDEXED JOURNAL)

*Date: 03.02.2025*  
*Harshit Bisht*