

Bhargav Kumar Saha

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PROFESSIONAL SUMMARY

DevOps and Cloud Infrastructure enthusiast with hands-on AWS experience, automation skills, and infrastructure management expertise. Proven ability to build CI/CD workflows, automate deployments, and manage distributed systems. Strong foundation in Linux, Python scripting, and infrastructure-as-code principles.

TECHNICAL SKILLS

Cloud & Infrastructure: AWS (EC2, S3, VPC, RDS, DynamoDB, ALB, EBS, IAM), Infrastructure Automation

DevOps & Automation: Shell Scripting (Bash), Python, Git, CI/CD fundamentals, Ansible basics, Docker fundamentals

Operating Systems: Linux (Ubuntu, Amazon Linux, CentOS), Windows Server

Networking & Databases: VPC design, Security Groups, Load Balancers, MySQL, RDS, DynamoDB

Core Skills: System troubleshooting, Performance optimization, Documentation, Cross-team collaboration

EDUCATION

- **Bachelor of Engineering in Computer Science**

Visvesvaraya Technological University (VTU)

Expected 2026

Karnataka, India

- Relevant Coursework: Cloud Computing, Distributed Systems, Operating Systems, Database Management, Computer Networks

PROFESSIONAL TRAINING

- **AWS Re/Start Program - On-the-Job Training**

Magic Bus India Foundation

May 2025 – July 2025

210 Hours

- Completed intensive 210-hour training in AWS Core Services including EC2, S3, VPC, RDS, IAM, DynamoDB, CloudWatch in production environments
- Developed automation scripts and deployment workflows under guidance of AWS technical consultants
- Demonstrated professionalism, adaptability, and strong technical aptitude throughout the training program

CLOUD INFRASTRUCTURE & AUTOMATION PROJECTS

- **Automated Cloud Infrastructure Deployment Pipeline**

AWS — Shell Scripting — Python — IAM

- Implemented automated EC2 deployment workflows using shell scripts, reducing manual provisioning time by 80%
- Created Python scripts for AWS resource management: instance lifecycle, storage provisioning, and security group configuration
- Implemented IAM role-based access control policies ensuring secure, least-privilege access across cloud resources
- Built automated monitoring scripts to track system health metrics and generate alerts for resource utilization

- **Scalable Multi-Tier Application Architecture**

AWS VPC — Application Load Balancer — RDS — EC2

- Architected highly available 2-tier infrastructure with custom VPC, public/private subnets, and Application Load Balancer
- Configured ALB for traffic distribution across multiple EC2 instances ensuring 99.9% uptime
- Integrated RDS MySQL database with automated backups and optimized security group rules for defense-in-depth
- Documented infrastructure architecture and deployment procedures for knowledge sharing and team collaboration

- **Infrastructure Automation & Configuration Management**

Bash — Python — Git — Linux

- Developed modular shell scripts for system configuration and software installation across multiple Linux distributions
- Automated deployment processes using Git-based version control and scripted release workflows
- Implemented log aggregation and analysis scripts to identify system bottlenecks and performance issues

KEY STRENGTHS

Rapid Learning: Built 10+ production-ready cloud projects

Problem-Solving: Strong troubleshooting across distributed systems

Innovation: Passionate about HPC, GPU computing, AI infrastructure

Growth Mindset: Actively learning Ansible, Kubernetes, Terraform, and observability platforms