

# Bhargav Kumar Saha

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## PROFESSIONAL SUMMARY

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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

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**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

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- **Bachelor of Engineering in Computer Science** Expected 2026  
*Visvesvaraya Technological University (VTU)* Karnataka, India
  - Relevant Coursework: Cloud Computing, Distributed Systems, Operating Systems, Database Management, Computer Networks

## PROFESSIONAL TRAINING

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- **AWS Re/Start Program - On-the-Job Training** May 2025 – July 2025  
*Magic Bus India Foundation* 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

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- **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

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**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