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** — Expected 2026
  Visvesvaraya Technological University (VTU) — *Karnataka, India*

Professional Training & Experience

- **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
  - Developed automation scripts and deployment workflows under guidance of AWS technical consultants
- **AWS APAC Solutions Architecture Virtual Experience Program** — November 2025
  Forage
  - Designed scalable hosting architecture based on Elastic Beanstalk for a client experiencing significant growth and slow response times
  - Documented proposed architecture in clear language ensuring client understanding of functionality and cost calculations

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
  - 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

Certifications

GitHub Foundations - DataCamp (9 hours, August 2025)

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