

ABHISHEK BALSURE

Cloud & DevOps Engineer | BCA 2026

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Portfolio: [portfolio-5dl.pages.dev](#) | GitHub: [github.com/abhishek-balsure](#) | LinkedIn: [linkedin.com/in/abhishek-balsure-61a389313](#)

PROFESSIONAL SUMMARY

BCA Graduate (2026) with SGPA 8.0+ and hands-on Cloud & DevOps engineering experience. Containerized and deployed ShieldGuard Pro — a full-stack ML web application — on AWS EC2 (t3.micro, Ubuntu 22.04) using Docker, with a complete 3-stage GitHub Actions CI/CD pipeline (build → Docker Hub push → EC2 auto-deploy). Configured AWS security groups, SSH key pairs, and production environment management. Experienced with Cloudflare Pages CDN deployment and Render PaaS. Holder of 6 industry certifications from IBM SkillsBuild, Anthropic, and HackerRank. Secured 3rd Place at Internal Smart India Hackathon 2025. Currently deepening expertise in Kubernetes, Terraform, and cloud monitoring tools.

TECHNICAL SKILLS

Languages:	Python · Go · Bash / Shell
Cloud Platforms:	AWS (EC2 · S3 · IAM · Security Groups) · Supabase (BaaS/PostgreSQL) · Render (PaaS) · Cloudflare Pages / Workers
DevOps & CI/CD:	Docker · Docker Compose · GitHub Actions · Jenkins · Git/GitHub
Container Registry:	Docker Hub (abhiishek25/shieldguard-pro)
OS & Networking:	Linux (Ubuntu 22.04 · Parrot OS · Kali) · SSH · Windows · Security Groups
Learning:	Kubernetes (K8s) · Terraform · Prometheus · Grafana · AWS CloudWatch
Backend & ML:	Flask · REST APIs · PostgreSQL
AI & Emerging:	Generative AI · Claude AI · Model Context Protocol (MCP)

PROJECTS

ShieldGuard Pro — Cloud & DevOps Deployment | Docker · AWS EC2 · GitHub Actions · Render · Python · Flask

GitHub: [github.com/abhishek-balsure/phishing-detector-pro](#) Live: [shieldguard-pro.onrender.com](#)

Docker Hub: [hub.docker.com/r/abhiishek25/shieldguard-pro](#) EC2: [http://35.154.32.25:5000](#)

- Containerized full Flask + ML app using Docker — production-grade Dockerfile with Gunicorn WSGI; pushed to Docker Hub (abhiishek25/shieldguard-pro).
- Deployed on AWS EC2 (t3.micro, Ubuntu 22.04, Mumbai ap-south-1) — configured security groups (SSH/HTTP/5000), RSA key pair, production environment variables.
- Implemented 3-stage GitHub Actions CI/CD pipeline — dependency validation → Docker Hub push → EC2 SSH auto-deploy on every push to main.
- Orchestrated multi-container setup using Docker Compose with health checks, volume mounts, and auto-restart policies.
- Written Jenkinsfile for Jenkins-based CI/CD alternative with parallel Docker build, test, and registry push stages.
- ML-powered phishing detection using Random Forest (25+ URL features, 95%+ accuracy) — 4 detection modules via REST API.

NSS College Website — Sarhad College | HTML5 · CSS3 · JavaScript · Supabase · Cloudflare Pages · GitHub Actions

GitHub: [github.com/abhishek-balsure/NSS-Website](#) Live: [nss-website-8uv.pages.dev](#)

- Architected and deployed the official NSS digital portal for Sarhad College, utilizing Supabase for backend logic and PostgreSQL database management to handle dynamic content, event registrations, and student data.
- Integrated the frontend with Supabase REST APIs to perform seamless CRUD operations, ensuring secure data handling, real-time content fetching, and efficient state management without page reloads.
- Hosted the frontend globally on Cloudflare Pages with automated CI/CD via GitHub Actions, enabling instant, zero-downtime CDN deployments triggered directly from Git pushes.
- Engineered a fully responsive, mobile-first UI with smooth scroll animations and interactive elements; currently serving as the active daily portal for college students and coordinators.

AI Smart Traffic Management System | Python · Machine Learning · Internal SIH 2025 — 3rd Place

GitHub: github.com/abhishek-balsure/Smart-Traffic-Management

- Developed AI-based traffic congestion prediction using Python and ML — 3rd Place at Internal SIH 2025 (AI Category) out of 30 teams.
- Delivered complete ML pipeline (data preprocessing, feature engineering, model training) within 24-hour hackathon sprint.

EDUCATION

Bachelor of Computer Applications (BCA) · 2023 – 2026

Sarhad College of Arts, Commerce & Science, Katraj, Pune | Savitribai Phule Pune University

SGPA: 8.0+ · Consistent Academic Excellence · Zero Backlogs

CERTIFICATIONS

- AI Fluency: Framework & Foundations — *Anthropic (2026)*
- Introduction to Model Context Protocol — *Anthropic (2026)*
- Introduction to Cloud Computing — *IBM SkillsBuild (2026)*
- Introduction to Cybersecurity — *IBM SkillsBuild (2026)*
- SQL (Basic) — *HackerRank (2026)*
- Go (Basic) — *HackerRank (2026)*

ACHIEVEMENTS & ADDITIONAL INFORMATION

- AWS EC2 Deployment: ShieldGuard Pro live on AWS EC2 with full Docker + 3-stage GitHub Actions CI/CD — <http://35.154.32.25:5000>
- Docker Hub: Published production image — hub.docker.com/r/abhiishek25/shieldguard-pro
- Internal Smart India Hackathon 2025 — 3rd Place (AI Category): Delivered ML prototype in 24-hour sprint out of 30 teams.
- Innovyuh 2.0 Hackathon (GDG On Campus, MIT Pune): Presented ShieldGuard Pro live to industry judges as Team TechKnights.
- 6 Industry Certifications from IBM SkillsBuild, Anthropic, and HackerRank — all self-initiated.
- Career Goal: Cloud & DevOps Engineering — pursuing AWS Cloud Practitioner (CLF-C02), Kubernetes (CKA), Terraform, Prometheus/Grafana.
- Languages: English, Hindi, Marathi (Native)
- Availability: Immediately available for full-time roles.