

# Divyank Singh

SOFTWARE ENGINEER & CYBERSECURITY ENTHUSIAST

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## PROFILE

Software engineer and technology consultant with 2.5+ years building and shipping production systems at an early-stage Nigerian fintech, while concurrently consulting across 6 live products — managing teams, infra, and security. Caught and contained a live RCE vulnerability in production. Now pursuing an MS in AI & Cybersecurity at IIT Patna, with active pentest certifications and a filed patent.

## EXPERIENCE

### Software Developer Incash Africa FULL-TIME · REMOTE (NIGERIA)

Jul 2023 – Present

FLUTTER · REACT · FIREBASE · AWS · ANALYTICS

- Built Admin Portal CRM end-to-end — WhatsApp Business chat interface, Paystack payment flows, analytics dashboard, large file upload with inbuilt PDF reader, and permission-based routing, visibility, and actions across all roles
- Delivered complete Employer Portal frontend from wireframe to production — invoice & reconciliation flows, email-based employee approvals, team invite with permission-based rendering, analytics graphs, and full mobile view rework
- Shipped Flutter app updates across Android, iOS & Web — Google Analytics, FCM push notifications, salary topup, deeplinks, referral flows, employee groups, and App Store/Play Store releases; built Savings Calculator in Flutter Web with lead capture forms
- First technical hire — organised the full codebase, set up development workflows, guided new hires, and maintained close cross-team collaboration with marketing, sales, and operations

### Technology Consultant Alarh Green PART-TIME · REMOTE

Feb 2025 – Present

AWS · NEXT.JS · SECURITY TESTING · 6 PRODUCTS

- Managed 6 interns across 6 concurrent live products — converted management ideas into technical specs, built wireframes, assigned tasks, ran code reviews, and shipped multiple market-ready products in under 6 months
- Actively responded to and contained an RCE vulnerability in Next.js/AWS production before it could cause harm; owned complete deployment lifecycle across frontend, backend, and database, plus cloud security and monitoring
- Built lean, scalable dev infrastructure on AWS and Hostinger — DNS/domain management, cost-effective deployment, competitor analysis, hiring interviews, and employee retention flow; all while managing a concurrent full-time role

## PROJECTS

### Anaam App PATENT

Anonymous drug trafficking reporting. Zero user-identifiable metadata — protecting whistleblowers while delivering intelligence to law enforcement. Got the idea patented (202211029346).

Flutter · Python · Privacy

### SADM

Python deploy manager for self-hosted Linux servers. Full pipelines — rsync, systemd services, nginx config generation, backups, rollbacks, and secret rotation across FastAPI, Django, Next.js & React. Successfully used it to deploy and manage 6 projects.

Python · systemd · nginx · rsync

### ResumeForge

ATS-friendly resume builder supporting LaTeX, Markdown & HTML+Tailwind. Next.js + Zustand, browser storage. Dockerized on GCP with CI/CD.

Next.js · Docker · AWS

## SKILLS

### FRONTEND & MOBILE

Flutter · React · React Native · Next.js · TypeScript · Tailwind CSS · Zustand · Figma

### CLOUD & BACKEND

AWS (EC2, Route 53, Amplify) · Docker · Nginx · Python · FastAPI · PostgreSQL · GitHub Actions

### SECURITY

Penetration Testing · Burp Suite · Metasploit · OWASP ZAP · Nmap · Wireshark · Kali Linux · AppSec

### AI

Generative AI · Prompt Engineering · AI-Driven Development · LLM Integration

## EDUCATION

### MS · AI & Cyber Security

NOW

IIT Patna

2026 – 2028

### B.Tech · CSE

Gurukula Kangri University

2019 – 2023

## CERTIFICATIONS

### CompTIA PenTest+

TryHackMe

### Offensive Pentesting

TryHackMe

### Burp Suite

Coursera

### MTA · Python

Microsoft

## ACHIEVEMENTS

- MS Admission @ IIT Patna — AI & Cybersecurity
- Patent Filed — Anaam App (202211029346)
- Critical CVE-level patch — Next.js/AWS prod
- Managed full development to production lifecycle at early stage startup