

# ARCHIS GOKHALE

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## EDUCATION

### MIT World Peace University

B.Tech – Computer Science & Engineering — GPA: 9.32/10

Pune, India

Aug 2022 – Jul 2026

## SUMMARY

- Software Engineer focused on building resilient, low-latency, and automated systems at scale. Proven impact across financial infrastructure, distributed systems, and cloud-native DevOps. Skilled in Java, Python, Terraform, and CI/CD; strong foundations in Data Structures, Algorithms, and System Design.

## EXPERIENCE

### SDE Intern – Platform Engineering / Resilience

Jun 2025 – Present

Northern Trust

Pune, India

- Developed cross-region **disaster-recovery-as-code** automation for 40+ systems using Terraform, Ansible, and GitHub Actions, reducing MTTR by **35%**.
- Converted manual failover runbooks into **idempotent recovery workflows** with canary rollbacks and exponential backoff, cutting manual effort by **50%**.
- Engineered real-time **RTO/RPO telemetry pipelines** via Azure SQL and Power BI, improving resilience visibility and executive reporting accuracy by **50%**.
- Integrated observability hooks and IaC policy checks to ensure compliance and audit traceability for enterprise financial infrastructure.

### SDE Intern – Data & Product Engineering

Sep 2024 – Oct 2024

Beats by Dre (Apple)

Remote / San Francisco, USA

- Built production-grade ETL pipelines processing **1M+ user events** to segment Gen Z cohorts and optimize engagement campaigns.
- Designed **CPA dashboards** using Power BI + Excel PowerQuery, improving campaign ROI tracking and reporting SLAs by **40%**.
- Collaborated in agile sprints with product and finance teams to integrate A/B testing analytics for user retention.

### SDE Intern – Full-Stack Engineering

Jun 2024 – Aug 2024

Buildspace

San Francisco Bay, USA

- Selected among 70K+ applicants (top **7.4%**). Built modular **Java-based ERP system** for healthcare inventory with REST APIs, concurrency-safe batch jobs, and audit logging, reducing reconciliation time by **60%**.
- Implemented Dockerized CI/CD pipelines with GitHub Actions; added test automation achieving **35% faster deployments**.

## SELECTED PROJECTS

### AI Frame Interpolation – INSAT-3DR (Smart India Hackathon Winner)

2024

SDE / ML Systems

- Engineered AI-based frame interpolation pipeline using **RIFE model**, increasing temporal resolution from 30-min to 1-min imagery and reducing runtime by **40%**.
- Deployed containerized inference services with GeoServer and OpenLayers for real-time visualization on ISRO's **VEDAS & MOSDAC** platforms.

### GeoHeritage Mapping Platform

2023 – 2024

Full-Stack SDE

- Developed React/Flask platform cataloging **4,100+ Indian heritage sites** with live geofencing (50 km radius) and predictive clustering models.
- Automated AWS deployment via CI/CD pipelines, achieving 99.9% uptime under concurrent load testing.

### Kavach – AI Security Platform

2024

SDE / MLOps

- Built real-time **crowd threat detection system** using TensorFlow, PyTorch, and P2PNet, improving detection latency by **30%** and automating 25% of surveillance tasks.
- Developed heatmap analytics dashboard enabling event scalability for **10K+ concurrent participants**.

## TECHNICAL SKILLS

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- **Languages:** Java, C++ (familiar), Python, TypeScript, SQL, JavaScript
- **Frameworks:** Spring Boot, Node.js, Express, Flask, React, REST APIs
- **DevOps:** Terraform, Ansible, Docker, Kubernetes (basic), GitHub Actions, CI/CD, IaC
- **Cloud & Data:** Azure (SQL, Monitoring), AWS (Lambda, S3), Power BI, pandas, NumPy
- **Core CS:** Data Structures, Algorithms, System Design, Concurrency, Multithreading, OOP, Operating Systems

## ACHIEVEMENTS

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- **Smart India Hackathon 2024 (ISRO Winner):** Among 299K+ students; awarded 75,000 for developing a production-scale AI pipeline adopted by ISRO.
- **Buildspace Season 5:** Ranked in the **Top 7.4% globally** (San Francisco Bay).
- **NASA Space Apps Challenge (Pune Chapter):** Organized and led event with 800+ participants; 12× hackathon winner.