

# Abhimanyu Singh Shekhawat

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## EDUCATION

**Birla Institute of Technology and Science, Pilani**  
B.E. IN COMPUTER SCIENCE

Pilani, Rajasthan  
Aug 2016 – June 2020

## TECHNICAL SKILLS

Java, Spring Boot, Object-Oriented Design, Design Patterns, Kafka/PubSub, System Design, Event-Driven Architecture. Unit & Integration Testing, Distributed Systems, Microservices, REST APIs, Relational Databases, Redis, Monitoring.

Architectural Patterns: SAGA, BFF, Event Sourcing, Outbox pattern, Strangler Fig Pattern, Domain Driven Architecture

## EXPERIENCE

**Edgeverve** | *Senior Member Technical Staff*

Nov 2020 – Present

Worked in the Digital Accelerator Team to develop and deliver cloud-first banking solutions for Finacle 11.x, enhancing scalability and digital transformation for banks across the globe.

- **Designed and developed the orchestration layer** of the API Gateway, leading **end-to-end architecture and implementation** across services and environments.
- Built and deployed **production-grade workflows** using **Kafka**, **RabbitMQ**, and **AWS services**, applying architectural patterns like **Saga**, **BFF (Backend for Frontend)**, and **Event Sourcing** for robust distributed systems.
- **Integrated and optimised event-driven architecture** using **Apache Camel**, improving scalability and resilience for the core banking platform, leading to successful **new client onboarding**.
- Led the **data localisation and compliance layer** design to support **multi-region, multilingual, and multi-governance** requirements for banking clients.
- Implemented **authorisation and security policies** in the **Cloud Gateway** using **Spring Security**, ensuring fine-grained access control.
- Enabled **rate limiting, caching, and idempotency** using **Redis**, reducing latency and improving throughput by **40%**.
- Established **end-to-end observability** with **OpenTelemetry**, **ELK Stack**, and **Jaeger**, enabling deep traceability and real-time system monitoring.
- Automated **Kubernetes deployments** via **Ansible scripts**, handling service provisioning, data initialisation, migration, and validation workflows.
- Proactively **debugged and resolved critical production issues**, enhancing system uptime and **improving reliability across banking operations**.
- Initiated and led the development of a **learning and onboarding platform**, significantly reducing ramp-up time for new team members and clients.

**American Express** | *Software Engineer Intern*

Jul 2019 – Dec 2024

Worked closely with the data stewards team at American Express in the Credit and Fraud Risk Management

- Automated documentation by designing a GUI application hosted on ML Studio.
- Designed and implemented a search tool for variable definition
- Designed and scheduled automated redundancy reports, leading to the decommissioning of 10% unused variables over 6 months.

**UP-100 Police Emergency Management System** | *Summer Intern*

Jun 2020 – Jan 2021

Worked with the Business Intelligence team of UP-100 on two problems:

- **Call Centre Optimisation** - Suggested a new strategy for improving efficiency among teams working in three different shifts based on the number of events handled vs. response time.
- **Fuel Management** - Analysed fuel consumption trends of UP-100's 6000-vehicle fleet and suggested optimisations to improve fuel-to-events-handled ratio.

## ACHIEVEMENTS AND OTHER EXPERIENCE

- Rated outstanding in all performance reviews at Edgeverve's half-yearly reviews.
- Created training videos for Infosys Lex, streamlining onboarding for new clients and team members.
- Prepared for UPSC and cleared prelims while working full time.