

# Shiv Chandekar

📍 Mumbai    ✉ shivchandekar16@gmail.com    ☎ 7767975374    in shiv-chandekar

## Education

---

**Indian Institute of Technology Bombay** *B.Tech in Metallurgical Engineering and Materials Science* Aug 2018 – Apr 2023

## Experience

---

**MindGate Solutions Pvt. Ltd.** *Software Engineer* Mumbai, MH Jul 2023 – Present

### Recon Engine — Enterprise Payment Reconciliation Platform

- Built enterprise **real-time reconciliation platform** using **Spring Boot** microservices, **Kafka streaming**, **Redis cluster**, and **YugabyteDB HTAP**, processing **70M+** daily transactions with microsecond precision
- Optimized **data pipelines** with **Redis advanced features**, Kafka partitions, and **Spark RDD transformations**, achieving **95% latency reduction** through parallel processing
- Implemented **distributed reconciliation system** using **Redis Streams** and **YugabyteDB consensus protocol**, delivering **75% execution improvement** across **2M+** transaction cycles

### HyperStream Analytics POC — Cost-Optimized Transaction Processing

- Migrated **70M+** UPI transactions from **Spark-Kafka** to **DuckDB** vectorized processing, reducing processing time from **4+ hours** to **15 minutes**
- Achieved **70% cost reduction** and **18x performance improvement** by implementing **single-node architecture** with efficient resource utilization

## Projects

---

### IntelliQuery Dashboard — AI-Powered Analytics Platform May 2025

- Developed **AI-driven analytics dashboard** using **Llama3 LLM**, **DuckDB**, and **Streamlit**, enabling natural language to SQL conversion, reducing analysis time from **1+ hour** to **2-3 minutes**
- Built intelligent **RCA Agent** leveraging **LLM models** for automated root cause analysis, processing error logs and screenshots for preliminary diagnostics

### Notes App — Full-Stack Web Application Sep 2022

- Built secure **REST API** backend using **NodeJS/ExpressJS** with **JWT** authentication and **BCrypt** password hashing, implementing **CRUD** operations
- Developed responsive frontend using **ReactJS** with component-based architecture, delivering seamless user experience and real-time synchronization

## Skills

---

**Backend:** Java, Spring Boot, Spring MVC, RESTful APIs, Microservices

**Databases:** Redis, YugabyteDB, DuckDB, MongoDB, SQL

**Message Processing:** Apache Kafka, Redis Streams, Apache Spark

**Cloud & DevOps:** Docker, Kubernetes, Linux, Git, Maven

**Languages:** Java, Python, JavaScript, C++, Lua, Bash

**Web Technologies:** NodeJS, ReactJS, Streamlit, ExpressJS, JWT

**AI Technologies:** Llama3, Langchain

## Achievements

- 
- Awarded **WOW Machine** recognition by Mindgate Solutions in **1.8 years** versus standard **3-year** benchmark for outstanding performance and innovation
  - Acquired **1st Position** in Virtual Stock Market Competition and **3rd Position** in Crypto Trading Competition organized by E-cell IIT Bombay
  - Active participant in cultural events including Inter Hostel Streetplay Competition (1st Position) and Dance Mania representing Hostel 4 at IITB