

# ATHARVA KINIKAR

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## Education

SCTR'S Pune Institute Of Computer Technology

2020 – 2024

Bachelor of Engineering in Information Technology

9.5 CGPA

## Experience

### FamPay

April 2024 – Ongoing

SDE - Backend Engineering | Go, Django, PostgreSQL, Kafka, Temporal

- **Architected and owned the high-revenue Giftcards service (₹10 Million/month)**, leveraging Temporal for workflow orchestration and gRPC, Kafka for inter-service communication; collaborated with third-party providers and the recon team for DSR reconciliation, also implemented distributed tracing for improved observability.
- Revamped the invoicing service to process **150k invoices/day** with atomicity and resiliency guarantees; eliminated duplicate invoice generation and finance-reported mismatches, cutting dev intervention for reconciliation to zero.
- Directed a 3-person team to integrate a high-priority BGMI gift card vendor from conception to production in a record **3 days**; accelerated technical decisions and code reviews to unlock a GMV of **₹20 Million/month**.
- Owned India's largest PPI mandate ecosystem for global merchants; ensured platform compliance by actively blocking fraudulent, non-KYC and inactive users resulting in the revocation of **30k+** ineligible mandates per month.
- Architected the end-to-end refunds flow for PPI transactions using NPCI adjustment reports, owning the full lifecycle from report ingestion to final settlement; processes **15k+ adjustment records daily**, triggering **90k+ refunds/month** with **high reliability and idempotency**.
- Authored the TRD and migrated the coupons service from monolith to a vertically isolated module in the giftcards service; **mentored 2 interns** end-to-end across the SDLC; engineered support for reliable and fast bulk ingestion of **1M+ rows** per run from S3 to PostgreSQL via `aws.s3` extension
- Designed and implemented the In-App P2M transaction flow in TPAP using gRPC for communication and the outbox pattern for Kafka message relay, processing **100k+ monthly in-app debits**.

### Barclays

June 2023 – August 2023

BA3 Intern | Spring Boot, JUnit, Mockito

- Worked in **RDS core API team** and developed a logging-portal application which utilizes Spring-Boot and enables users to download filtered logs from deployed pods to their client machines.
- **Optimized concurrent requests** by eliminating file system resource reliance, **reducing response time by 40%**
- Implemented **centralized exception handling using ControllerAdvice** incorporating custom exceptions, and conducted **comprehensive unit testing using JUnit and Mockito**.

## Projects

**Sugarcane crop monitoring using satellite imagery** | FastAPI,Go,PostgreSQL,Redis,ML **Sept 2023 - Feb 2024**

- Utilized Metabase for creating dashboards, improving data analysis and monitoring efforts and automated the shape-cleanup process with FastAPI server, streamlined code migration, and addressed integration challenges.
- Optimized data management and led data migration of around 1.2 million rows to enhance performance.
- Designed a **sugarcane yield prediction model with accuracy of 95% using earth observational data** and algorithms like SVM and Gradient Boosting, classifying data into prioritized buckets with adaptive prediction timelines.

**Acid-Base Disorders in the COPD patients** | Python,Flask,Node.js,MongoDB,ML **Oct 2022 - Nov 2022**

- Devised an algorithm which is based on several previous gold standard techniques,including **Henderson–Hasselbalch, Boston, Stewart approach**. Coupled it with machine learning model for severity prediction with accuracy of 93.75%.
- Used AWS-Textextract service for OCR for **auto-filling from ABG reports** to reduce overall report generation time.
- Implemented 2FA, download reports feature , quantitative and qualitative analysis and Gamblegram for visualization.

## Technical Skills

**Languages:** C++, Python, HTML/CSS, JavaScript, SQL, Java, Go

**Relevant Coursework:** Database Management Systems, Data structures & Algorithms, Object Oriented Programming

**Soft skills:** Communication skills, Leadership, Team player, Cross - Functional Collaboration

**Technologies:** PostgreSQL, MongoDB, Docker, Kafka, Git, Node.js, Express.js, Flask, FastAPI, Lambda, SQS, Temporal

## Achievements / Position Of Responsibility

- **Winner UNESCO India-Africa International Hackathon 2022** : Won the UIA '22 with cash prize of ₹300,000 & felicitated by the hands of Hon'ble Vice President of India and Hon'ble Minister of Education (GOI)
- **Winner of Smart India Hackathon 2022** : Senior Division for Problem Statement DR727.
- **Chief Technical Head** at CSI PICT Student Branch: Led 5 technical teams, promoted growth for a 1100-member club