

MOHIT



+91 9460424659



mohit.swe03@gmail.com

[LeetCode](#)

[LinkedIn](#)

Education

Indian Institute of Technology, Roorkee

Bachelor of Technology

Nov 2020 – May 2024

Uttarakhand, India

Experience

ICICI Bank

June 2024 – Present

Software Developer - Python, Java, Spring Boot, Kafka, Docker, Kubernetes

Mumbai, India

- Implemented a transaction reference identifier system for RBI-compliant MOTO payments, helping process **50K+ monthly transactions** while reducing OTP-related customer confusion and support escalations by **70%**.
- Engineered Python-based spend analytics pipelines processing card statement and settlement data, enriching transactions with card metadata and generating automated daily dashboards for product-wise spend monitoring and business insights.
- Developed a Java Spring Boot microservice for real-time exchange rate aggregation using Kafka, integrating hedge fund feeds and implementing personalized exchange rate basis customer relationship data.
- Implemented AML compliance checks for high-throughput international transactions.
- Designed and implemented a dynamic MDR pricing engine for GST payment transactions, replacing a fixed-fee model with credit-period-based fee computation using settlement and repayment dates, resulting in **30% growth in card spends** over a 3-month period.

Independent Product Work

Built for a friend's product launch

July 2026 – Present

Credit Card Recommender -  Live

- Built an AI-powered knowledge extraction pipeline to transform unstructured financial product webpages into a normalized domain-specific database covering **250+ credit cards**.
- Built multi-stage ETL with **Playwright**, **BeautifulSoup**, **LLM extraction**, and **Pydantic validation** for schema-compliant financial metadata.
- Architected a recommendation engine over the normalized dataset using deterministic rule-based filtering and scoring across **rewards, eligibility, annual fees, spending patterns, and card benefits**.

AI Personal Finance Platform

- Built a cloud-native **AI personal finance platform** using **TypeScript**, **GCP**, **Firebase/Firestore**, **Gemini**, and **React**, transforming raw transaction messages into structured financial events and monthly spend insights.
- Designed a user-isolated, idempotent ingestion pipeline with **Firebase Authentication**, **Firestore**, and **Gemini** extraction of merchants, transfers, refunds, and payment amounts.
- Built a deterministic **spend and budgeting engine** with monthly analytics in a **React/TypeScript** dashboard, WhatsApp budget controls, and spend-threshold alerts.

Internships

TechSarathi (MIED, IITR)

May 2023 – July 2023

Backend Developer - Python, Django, AWS

Uttarakhand, India

- Designed and deployed secure, scalable **RESTful APIs** using Django, integrated with **AWS services (EC2, S3, RDS)**, and optimized database queries for high-performance backend systems

Military Hospital Roorkee

June 2022 – July 2022

Backend Developer - Python, Django

Uttarakhand, India

- Developed a Python/Django pipeline to ingest Excel data, extract structured records, and update the database automatically.

Technical Skills

Languages: C++, Python, Java, JavaScript, TypeScript

Backend & Systems: Microservices, REST APIs, Event-Driven Architecture, System Design

Tools & Platforms: Kafka, Spring Boot, Git, GitHub, JIRA, VS Code, AWS, Docker, Kubernetes

Databases: SQL, Relational Databases

LeetCode: Top 15% globally