



KINGSHUK CHAKRABORTY

AI & RAG Systems Engineer · AI SaaS Architect · Automation Consultant

Building revenue-generating AI SaaS products, LLM-powered automations & enterprise RAG systems — zero to live in 4-8 weeks, for clients across USA, UK, Germany & India.

● AVAILABLE NOW — Open to AI SaaS Contracts & Engagements

15+

Years Exp

100+

Projects

50+

Clients

30-70%

Efficiency ↑

INDUSTRIES

Fintech & Banking Healthcare & MedTech
Retail & E-commerce Agritech & Rural Tech
Real Estate & PropTech Agencies & Startups

SERVICES & PRICING

AI SaaS MVP

₹2L-12L · 4-8 wks

RAG Enterprise

₹5L Fixed · 3-4 wks

AI Retainer

₹1L+/mo · Ongoing

AI Readiness Audit

₹25K · 5 days

TECHNOLOGY STACK

AI & LLM

LangChain Ollama GPT-4
Whisper RAG Agentic AI

VECTOR DBS

Pinecone FAISS Weaviate
ChromaDB

BACKEND

FastAPI Node.js Laravel Flask
NET

FRONTEND

React Vue.js TypeScript Next.js
Tailwind

CLOUD & DEVS

AWS Docker GitLab CI Lambda
S3

DATABASES

PostgreSQL MongoDB Redis
DynamoDB

REAL-TIME & VISION

WebRTC Socket.io OCR/Vision
PDF Parse Multimodal

EDUCATION

B.A. Economics

Jadavpur University, Kolkata
Statistical modelling & econometrics applied to AI/ML pipelines.

CERTIFICATIONS

- LangChain & Agentic Systems — DeepLearning.AI (2024)
- Prompt Engineering & RAG — Coursera (2025)
- Agentic AI Certification — AI Ignite Hackathon (2025)

PROFESSIONAL SUMMARY

AI-focused Full Stack Engineer with **15+ years** delivering scalable SaaS, LLM-powered apps, and agentic RAG systems for global clients. Completed **100+ projects for 50+ clients** — consistently driving **30-70% operational efficiency gains**. Economics background (Jadavpur University) grounds every system in statistical modelling and business logic. Typical engagement: **4-8 weeks** from kickoff to a live, revenue-generating product.

WORK EXPERIENCE

Freelance AI & Automation Consultant

Jan 2010 - Present

Independent · Remote · USA, UK, Germany

- Built AI SaaS products across Fintech, Healthcare, Retail & Agritech — delivering 30-70% operational efficiency gains per engagement.
- 60% search effort reduction for UK Fintech via LangChain + Pinecone RAG pipeline; zero hallucinations, full audit trail.
- Deployed AI triage bot (Whisper + GPT-4 + Twilio) for US healthcare — 45% response time reduction, \$40K/yr saved.
- Built privacy-first WebRTC SaaS for German agency — 500+ concurrent users, 70% infra cost reduction vs. prior vendor.

Lead Architect — WanderMind AI

Jan 2024 - Present

Multi-modal AI Platform · Privacy-First

- Led full architecture of privacy-first multi-modal AI platform (text, image, voice); sub-second responses for 500+ concurrent sessions.
- Reduced infrastructure cost 40% via self-hosted Ollama model serving — no third-party data egress, critical for regulated industries.

CTO — Tralique.ai

Mar 2024 - Dec 2025

AI-Powered Facility Management SaaS

- Zero-to-launch AI SaaS; MVP shipped in 6 weeks, first paying clients in 10 weeks. Led cross-functional team of 5 engineers.
- RAG-based maintenance engine cut ticket resolution 50%; maintained 80%+ automated test coverage with full GitLab CI/CD from day one.

Technical Lead — Digidices

Jun 2022 - Feb 2024

Campaign Automation & Agritech

- Built large-scale WhatsApp/SMS/IVR automation handling 2M+ outbound messages/month for agritech and FMCG clients.
- Crop Advisory RAG Platform (Ollama + FAISS) reaching 8,000+ rural farmers via SMS/IVR in local languages.
- Reduced reporting overhead 65% through automated ETL pipelines and self-service dashboard engineering.

KEY METRICS

●8,000+ rural farmers reached via SMS/IVR

●2M+ messages/month automated

●500+ concurrent WebRTC sessions

●\$40K/yr saved — US healthcare client

●MVP to first paying revenue in 10 weeks

CLIENT TESTIMONIALS

★★★★★

"Delivered our RAG system in under 4 weeks. Search accuracy improved immediately — our compliance team stopped dreading document reviews. Exceptional depth, zero hand-holding needed."

Head of Operations

UK Fintech Client (NDA)

★★★★★

"Really hard working and did a great job. Delivered exactly what was promised, on time with exceptional attention to detail. Would not hesitate to engage again."

Tumpa Singha Ray

JLL · Digicides · Gramcover

★★★★★

"Manages any complex project with ease. A rare combination of technical depth and strategic thinking. Broad minded with innovative outlook — a genuinely unique operator."

Arnab Ghosh

Pre Sales Consultant @ Aurigo

🔗 QUICK LINKS

🌐kingshuk.online/#portfolio

inlinkedin.com/in/kingshuk-chakrabarti

🔗gitlab.com/kinggit20/timetable-app

🔗gitlab.com/kinggit20/timetable-manager-api

🔗gitlab.com/kinggit20/timetable-vision-extractor

📄loom.com/share/bed47556e7dd41d1bf28749642c

📱 MOBILE APPS

●Events Management App

●Social Media App

●Food Ordering App

●B2B eCommerce App

●B2C eCommerce App

●Train Timing App

●COVID Tracker App

●Case Management App for Lawyers

●Doctor's Listing App

⚠️ CLIENTS I DON'T WORK WITH

✖️Spec work & unpaid trials

No free MVPs or "build first, pay later" arrangements.

✖️Vague or undefined scope

No clear deliverables or success metrics.

✖️Unrealistic timelines

Complex AI systems can't be built in days.

✖️Unethical AI applications

Surveillance, deepfakes or manipulative systems.

✖️Below-market rates

Senior AI architecture at junior freelancer pricing.

✖️Micro-management culture

Clients needing to approve every line of code.

Projects & Selected Work

Open-source, client SaaS & micro-SaaS platforms across Fintech, Healthcare, Agritech, PropTech & E-commerce

FLAGSHIP PROJECT — AI TIMETABLE PIPELINE

Production-Grade Agentic System · 3-Service Microarchitecture · Open Source

Each service independently deployable via Docker + GitLab CI/CD · Full app demo: loom.com/share/bed47556e7dd41d1bf28749642c

① Timetable App — React Frontend

User-facing React app with drag-and-drop schedule builder, real-time conflict validation, and responsive design. Independently containerised with automated CI/CD pipelines and testing gates.

🔗gitlab.com/kinggit20/timetable-app

React · TypeScript · Docker · GitLab CI/CD · Tailwind

② Timetable Manager API — Node.js Backend

Core backend handling schedule logic, conflict resolution, and MySQL persistence. REST API with full test coverage, audit logging, and compliance-ready error handling.

🔗gitlab.com/kinggit20/timetable-manager-api

Node.js · MySQL · Docker · Jest · GitLab CI/CD

③ Vision Extractor — AI Document Parser

Custom vision model parsing timetable layouts from PDFs, photos & scanned sheets into validated JSON. Reusable for invoice OCR SaaS and any document digitisation pipeline.

🔗gitlab.com/kinggit20/timetable-vision-extractor

📄loom.com/share/bed47556e7dd41d1bf28749642c (Full App Demo)

Vision AI · FastAPI · OCR · PDF Parse · Docker · GitLab CI/CD

SELECTED SAAS & MICRO-SAAS PROJECTS

AI RAG Knowledge System

UK Fintech · LangChain · Pinecone

Semantic doc search, compliance accuracy. Zero-hallucination, source-cited answers with full audit trail.

60% Search Reduction

AI Triage & Appointment Bot

US Healthcare · Whisper · GPT-4

Voice-first AI qualifying symptoms, booking appointments, escalating critical cases at a US clinic network.

45% Call Reduction · \$40K/yr

WebRTC Video SaaS

Germany Agency · WebRTC · Node.js

Privacy-first self-hosted video platform. 500+ concurrent users, third-party vendor fully eliminated.

70% Infra Cost Saved

Crop Advisory RAG

Agritech India · Ollama · FAISS

Offline-first RAG delivering personalised crop guidance via SMS & IVR in Bengali, Hindi & Marathi.

8,000+ Farmers Reached

AI Legal Doc Reviewer

PropTech · LangChain · GPT-4

Automated clause extraction & risk flagging for real estate contracts. JSON output for CRM integration.

55% Review Time Saved

WhatsApp AI Sales Bot

E-commerce MENA · OpenAI · Twilio

Conversational commerce in Arabic & English — product discovery, orders & post-sale support.

3x Conversion Lift

Invoice OCR SaaS

Fintech Global · Vision AI · FastAPI

Multi-tenant SaaS extracting structured data from invoices & POs. Integrates with QuickBooks & Xero.

80% Data Entry Automated

📱

Mobile Apps, ERP & Full-Stack Platforms

React Native · Flutter · Microservices · Admin Panels · AI Integration

⚙️React Native

🔗Flutter

🏠Custom ERP

⚙️Microservices

📊Dashboards

🧠AI Integration

📡B2B & B2C

🔗System Integration

🏠Microcontroller

🔧Embedded Systems

●Mobile apps with React Native & Flutter + backend admin panel, all in one

●Robust microservice architecture for any scale — B2B, B2C & enterprise

●Custom ERP systems tailored to your business workflows & operations

●E-commerce platforms — from product catalogue to checkout & fulfilment

●Specialised in analytics dashboards & real-time data visualisation

●Any software AI-enabled — LLM, RAG, vision, voice or agentic workflows

●Custom software built precisely to your spec — no off-the-shelf compromises

●Microcontroller integration with mobile apps — real-time sensor data, BLE & serial bridge

●Embedded system architecture design — firmware planning, peripheral interfaces & low-level integration

kingpop000@gmail.com · +91 96746 97623 · kingshuk.online/#portfolio · linkedin.com/in/kingshuk-chakrabarti | Available for AI SaaS Contracts & Long-Term Engagements