SHLOK SAWANT

AI Engineer | Voice AI & LLM Agents | 5+ Years | Python · FastAPI · Django · AWS

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SUMMARY

AI engineer shipping production voice agents at 800–1,200 calls/day, speech AI in 100+ colleges, and open-source agents (Ribhus).

SKILLS

Voice AI: real-time STT/TTS, turn-taking, interruption handling (barge-in), multilingual voice agents (English, Hindi, Urdu), pronunciation scoring, Plivo, Vapi, WebRTC, WebSockets

LLMs & Agents: AI agents, tool calling, MCP, LLM evals, RAG, vector databases, LangGraph, agent memory, human-in-the-loop, OpenAI, OpenRouter, Ollama

Vision & Automation: computer vision, YOLOv4, object tracking, VLMs, OCR, Playwright browser automation

Backend & Cloud: Python, FastAPI, Django, Celery, Redis, TypeScript, AWS (EC2, Lambda, SQS, SSM), Docker, PostgreSQL, Supabase

EXPERIENCE

skitre.ai — *speech-assessment platform for students, IIT Madras partner; live in 100+ colleges across India plus schools*

Artificial Intelligence Engineer, Founding Team — May 2025 – Present

- Own production speech AI (recognition, pronunciation assessment, conversational analysis).
- Built an AI video-interview agent: a face-rendered AI recruiter that runs mock interviews with students, gives feedback and helps them learn.
- Architected low-latency cloud model serving; own the ML lifecycle from training and evals to deployment.
- Ship interactive AI features from concept to production alongside product, backend and research teams.

Artificial Intelligence Consultant — Nov 2024 – Jun 2025

- Led platform backend (REST APIs, microservices, cloud infra); built real-time speech-feedback AI features.

Independent AI Contractor | **Voice Agents** — 2025 – Present

- **Setoo:** built a voice agent for BU Bhandari (Maruti Suzuki service dealer) calling customers when cars are ready or about add-on services and handling delivery complaints at 800–1,200 calls/day; expanded to Vani Connect.

Natsoft | **Artificial Intelligence Consultant** — *US-based enterprise, 2,000+ employees* — Apr 2024 – Jan 2025

- Built Natvoiz, a two-way voice agent live in multiple call centers: real-time STT/TTS on Plivo + WebSockets, sub-2s response time.
- Calls candidates after offer acceptance to explain next steps and answer questions (~5,000 calls/month); cut cost to ~₹1.5–2/min and saved ~40 hours/week of recruiter time.
- Optimized the dialogue workflow for natural automated conversations; secured production configuration with AWS SSM.

Birdvision Consulting | **Software Engineer** — Apr 2022 – Jan 2024

- Led backend architecture for Bconnect, a bulk-messaging platform used by Bridgestone, ITC, Ashirwad and Coca-Cola.
- Designed a unified WhatsApp Business API layer across Business Solution Providers (BSPs) for these clients.

Pretty Recon | **Python Developer** — *Python security-automation tooling for bug hunters* — Jun 2021 – Apr 2022

PROJECTS

Ribhus — WhatsApp AI Agent (Open Source) | *Lead Developer, agent core* — **github.com/Shlok221B/Ribhus**

- Open-source, self-hostable AI agent that handles WhatsApp interactions end to end: Playwright drives WhatsApp (and Gmail) behind a mandatory human-in-the-loop approval layer.
- Architected the agent core in Python: OpenAI/OpenRouter/Ollama models, MCP tools, persistent SQLite memory, installable skills, Typer CLI, FastAPI + TypeScript web dashboard, audit log, rate limits, kill switch; hermetic evaluation suite (~25 test files).

FlytBase Hackathon — 3rd Place (Solo) | *Drone traffic intelligence; first project using a vision-language model*

- Solo-built drone traffic analytics: YOLOv4 multi-class detection of 5 road-user classes, ID tracking through occlusions, real-world speed from SRT drone telemetry, and lane-level mapping.

Rezonna — AI Sales Caller SaaS | *Own product, built end to end* — rezonna.com

- Built end to end a SaaS AI sales caller for real-estate leads, multilingual (English, Hindi, Urdu); coded turn-taking and interruption handling so calls sound human, plus WebRTC calling and multi-provider integration incl. Vapi.

Ryft — Workout-Tracking PWA | *Sole engineer on a three-person team; 50+ daily users* — joinryft.com

- Chose and redesigned a Supabase architecture (easy scaling, low ops), taking Ryft from a ~10-user MVP to 50+ daily users.

Also built: Video-KYC Agent (PAN-card OCR from live video) · **Axion Plan** (AI financial planning) · **Course Companion** (university AI)

EDUCATION

Ajeenkya D Y Patil University — Bachelor of Technology (B.Tech), Information Security and Cloud Technology — 2017 – 2021