SAKSHAM SHIL

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EXPERIENCE

Software Engineer **May 2025 - Present**
Velocity Software Solutions *Noida, India*

UNDP CSR Matchmaking Platform *(Python, Django, PostgreSQL, Docker, Celery, Redis)* csr.tn.gov.in

- Built the platform that matches corporate social responsibility funding to government projects across Tamil Nadu, now used by 50+ state departments, 30+ districts, and 60+ companies.
- Wrote the logic that decides which projects a company can fund, based on district and category, and a two-step approval chain across 5 user roles.
- Delivered 120+ REST APIs, and set up the deployment on a GCP Compute Engine VM with Docker Compose behind Nginx, and background jobs on Celery and RabbitMQ.

Polestar 1Platform - Governance Platform *(Python, FastAPI, PostgreSQL, RabbitMQ, gRPC)*

- Owned the login and permissions service the whole platform depends on: sign-in with Microsoft work accounts, per-device sessions, and 10+ roles under role-based access control (RBAC).
- Designed the audit trail end to end, so every action taken anywhere on the platform is recorded as one reliable answer to who did what, and when.
- Added a notification pipeline on top of it: it reads those events from 3 services, matches the rules an admin sets, and emails each person once.

TriangleIP - IP Management Platform *(Python, Django, React, MySQL, Celery, Redis)* triangleip.com

- Shipped features end to end on a patent tracking product used by law firms and enterprises, working in both the Django backend and the React frontend.
- Added automatic AI summaries of patents with a self-hosted language model, run in the background so nobody waits, and locked to the right roles.

SKILLS

Languages: Python, JavaScript, TypeScript
Frameworks: Django, Django REST Framework, FastAPI, React, Celery
AI / Gen AI: RAG, agentic tool-calling (MCP), evals, guardrails, LangChain, LangGraph, LangSmith
Databases & Messaging: PostgreSQL, MySQL, Redis, RabbitMQ, SQLAlchemy, Alembic
APIs & Auth: REST, gRPC, GraphQL, WebSockets, Server-Sent Events, JWT, OAuth 2.0, RBAC
Infrastructure: Docker, Docker Compose, Nginx, Linux, Git, Microservices

PROJECTS

Another Set of Eyes *(Python, FastAPI, SSE, HTMX)* asoe.sakshamshil.xyz

- Launched a live plan viewer for AI coding tools, published on npm. One command installs it, then Claude Code, Codex, and Cursor stream their plans to a browser tab.

ClypSync *(Next.js, Supabase, WebSockets)* clypsync.vercel.app

- Shared clipboard for any two devices. Enter the same 6-digit PIN on both, and text, images, and documents sync instantly, with no account and no install.

EDUCATION

Bhagwan Parshuram Institute of Technology Delhi, India
Bachelor of Technology (B.Tech), Information Technology | GPA: **8.76** 2021 - 2025

LEADERSHIP & ACHIEVEMENTS

- Solved 1000+ DSA problems on LeetCode, GeeksforGeeks, and CodeChef; Microsoft Azure AZ-900 certified
- Founded and led the college Chess Club; secured 1st place at IPU Sports Meet 2024
- Won Gold in Cricket at IIT Ropar Sports Fest 2023 and IPU Sports Meet 2022