

Soham Patil

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Experience

Software Engineering Intern

May 2025 – Aug 2025

Google

Bengaluru, India

- Reduced analytics latency by **85%** (from 15+ hours to < 2 hours) for Google Maps content moderation by architecting a real-time, event-driven data pipeline to replace offline batch processing.
- Engineered a **Java** service to process event notifications, and implemented a **C++** transformation module to ingest data into a distributed **columnar storage system**, complemented by **SQL** scripts enabling operator queries.
- Designed storage schemas incorporating a user data **wipeout mechanism** to ensure privacy compliance.
- Utilized **Protocol Buffers**, **RPCs**, and **Pub/Sub Stubby Gateway** for inter-service communication.

Software Developer

Feb 2024 – May 2024

Genoshi.io

Remote

- Spearheaded Development of a **Visual AI RAG Agent Builder** for an **IIT Delhi** based startup, using **React Flow** on research data of the firm.
- Engineered a chatbot with **Cite2PDF** technology that enabled sub-second query responses with verifiable citations, reducing user research time by **80%**.
- Built landing pages for various products (view at **Quest** and **Genoshi.io**) with modern and cutting-edge UI/UX.
- Secured **\$3000** prize at **Soonami Venturethon**, a global competition for Founders, as a company entity.

Projects

CLEO: AI-Powered Sales Assistant — Winner, 100x Buildathon

[GitHub](#) — [Demo](#)

- Engineered sales automation system that extracts product data from PDFs, generates embeddings, and creates tailored proposals—enabling **AI voice agents** to autonomously pitch inventory to customers.
- Architected an AI voice calling system using **ElevenLabs**, **Groq**, and **Deepgram** to automate sales pitches, cutting manual outreach effort by **5x** through real-time transcription and call analytics.
- Implemented **RAG chatbot** with multi-query retrieval using **LangChain** and **Pinecone** for context-aware customer interactions.
- Developed **admin dashboard** with Kanban board, analytics visualization, and bulk emails for sales operation.
- **Tech Stack**: Next.js, TypeScript, MongoDB, Pinecone, FastAPI, LangChain, Models (Gemma 3, Cohere)

RE-DACT: NLP-Based Anonymization Tool — Winner, Smart India Hackathon 2024

[Demo](#)

- Engineered a **multi-model anonymization pipeline** using **NER** (SpaCy, Flair), a **fine-tuned** multilingual RoBERTa, and **Regex**, achieving **92% accuracy** in PII detection for English and Hindi.
- Enabled **synthetic data** generation with **BERT** and **Faker** to create contextually consistent, anonymized data.
- Implemented **OCR** and **OpenCV** for redaction in **images** and used **XTTS** model for audio cloning.
- Supported **various input formats**, including PDFs, PPTs, DOCX, logs, images, videos and audio, with **customizable** redaction levels.
- **Tech Stack**: Python, Streamlit, OpenCV, PyTorch, HuggingFace API

Achievements

- Won **Maha Hackathon Challenge 1.0** for MahaSuvidha, an AI platform for citizen services; secured **Rs. 15 Lakh** prize money and presented the prototype to the **Chief Minister and Chief Secretary (IT)** of Maharashtra.
- Won **first prize in National Level IDEA Hackathon** organized by **Union Bank** and received **Rs. 5 Lakh**.
- Secured back-to-back wins at **Smart India Hackathon** (2023–2024), earning **Rs. 1 Lakh** in prizes each year by placing first among **10,000+** national competitors.
- Led team to **1st place in National 100x Engineers Generative AI Buildathon**; pitched innovative demo to 1000+ tech professionals and VCs at DevSparks, Bangalore.
- Won **10+ hackathons**, additional victories include **SPIT-CSI Hackathon**, **Hackniche**, **TSECHacks** and more.

Education

Dwarkadas J. Sanghvi College of Engineering

Bachelor of Technology in Information Technology, Honours in DevOps

Mumbai, Maharashtra

Aug. 2022 – Present