

PRAJWAL SKANDA S

Generative AI Engineer

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PROFESSIONAL SUMMARY

Generative AI Engineer with 1.5+ years building production-grade AI systems — RAG pipelines, multi-agent architectures, and agentic automation — across banking, automation, and QA domains. Delivered measurable impact (up to 95% workflow-time reduction) while acting as de facto product owner across three AI platforms: driving requirement discovery, roadmap evolution, feature prioritization, and client/leadership demos for enterprise stakeholders including Scotiabank and Bell. Core strengths: AI system design, LLM orchestration, scalable backend engineering, and translating technical capability into business value.

CORE SKILLS

Languages: Python, SQL, JavaScript

Generative AI & Agentic AI: RAG, Agentic Workflows, Multi-Agent Systems (A2A), MCP, Prompt Engineering, Vector Databases, Embeddings, LLM Orchestration, Fine-Tuning

Frameworks: LangChain, LangGraph, Vertex AI, Claude API, OpenAI API, Google Gemini API, Hugging Face, FAISS

Backend & APIs: FastAPI, Django, REST APIs, Async Processing, Redis, RQ

Databases & Cloud: PostgreSQL, MySQL, Azure AI Foundry, Google Cloud (Vertex AI), Docker, NGINX, Git, Postman

Product & Delivery: Requirement Discovery, Roadmapping, Feature Prioritization, MVP Delivery, Client Demos, Stakeholder Communication

PROFESSIONAL EXPERIENCE

Associate Software Engineer — Enterprise Generative AI & Automation — CGI

Feb 2025 – Present, Bengaluru, India

- Own an AI-based document comparison tool, an enterprise-grade platform (FastAPI, Next.js, Redis/RQ, Docker), end-to-end — from OCR/text/visual/semantic comparison pipeline design through client demos and roadmap ownership for enterprise stakeholders.
- Built an end-to-end AI evaluation and refinement pipeline for a US finance client, cutting execution time from 2 hrs to 5 mins (~95% reduction) via automated iterative output correction.
- Architected a multi-agent, LLM-to-LLM financial workflow system for a US banking client, reducing processing time from 40 hrs to 10 hrs (~75%) and improving decision accuracy.
- Developed a framework-agnostic AI test case/script generator (Robot Framework, Tree-sitter, BDD), improving QA productivity 30–40% across multiple clients.
- Automated ETL configuration generation from Excel inputs for a US finance client, cutting workflow time from 12 hrs to 10 mins; built the **MCP Playwright Script Generator** (NAVI platform), converting natural-language prompts into executable test scripts and reducing manual scripting effort ~60%.
- Acted as de facto product owner across the AI portfolio — ran customer discovery with business stakeholders, prioritized features by business value, and drove iterative MVP → demo → feedback → roadmap cycles, translating technical work into outcomes such as 30–40% QA effort reduction and 60% document-review effort reduction.
- Delivered client and senior-leadership demos (architecture walkthroughs, live comparisons, AI reasoning) across the document comparison tool, NAVI, and TestGenius — recognized with CGI's "Above and Beyond" award for demo excellence.

Trainee – Lead Robotics & Drones Instructor, R&D — BIRRD.IN

Oct 2024 – Jan 2025, India

- Led R&D of IoT-integrated robotic systems (C-based control logic); optimized sensor fusion and firmware validation, cutting system latency 30% and improving reliability 40%.

Trainee Engineer — Backend & Automation (Client: Indian Railways) — L2M Rail

Oct 2023 – Sep 2024, India

- Automated database maintenance/monitoring and built RESTful APIs, cutting report generation time 70% and improving API response times 25%; streamlined CI/CD deployment, reducing downtime 50% and data-entry errors 60%.

KEY PROJECTS

- AI Voice Agent** — Real-time conversational platform (FastAPI, LangChain, Whisper, RAG/FAISS) cutting manual workload ~70% with <2s latency.
- AI Lead Generation Engine** — End-to-end pipeline (FastAPI, Next.js, Gemini, scraping, Telegram/Sheets) generating leads and personalized outreach.

EDUCATION & CERTIFICATIONS

B.E., Computer Science and Engineering — Sai Vidya Institute of Technology, 7.98 CGPA

Microsoft Azure AI Fundamentals (AI-900) | HackerRank SQL (Basics)

AWARDS

Gold Award (Aug 2026), Bronze Award (Jan 2026), Above and Beyond (Aug 2025), Value Creation (Apr 2025) — CGI, for AI-driven delivery and leadership demos.