JAYESH PRAMOD PATIL

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WORK EXPERIENCE

AI Intern   June 2025 – December 2025
Voice Snap Software Private Limited   *Remote / India*

- Engineered and tested **Agentic AI** and **Generative AI** systems by building end-to-end **LLM-based workflows** for real-world application scenarios.
- Built and evaluated **Retrieval-Augmented Generation (RAG)** pipelines involving document chunking, embeddings, and vector-based retrieval to improve response relevance and reduce hallucinations.
- Developed **prompt engineering** strategies and multi-step reasoning flows, enabling reliable tool-based LLM execution and autonomous agent behavior.
- Collaborated across **frontend and backend** layers to integrate AI outputs into user-facing features, ensuring stable and interpretable AI-driven responses.

Data Analyst Intern   December 2023 – June 2024
Gamaka Intellectual Machine   *Pune, Maharashtra*

- Performed statistical analysis on structured datasets using **Python** to derive insights supporting business and analytical decisions.
- Developed data pipelines for cleaning, transformation, and feature preparation using **Pandas**, **NumPy**, and **Scikit-learn**.
- Created interactive dashboards and visual reports using **Tableau** and **Power BI** to communicate trends and performance metrics.
- Worked with relational databases using **MySQL** and supported analytical use cases involving machine learning fundamentals.

TECHNICAL SKILLS

Programming: Python (Primary), SQL, MySQL (Relational Databases)

AI / ML Skills: Prompt Engineering (system prompts, RAG prompts, tool usage), LLM Workflows, Retrieval-Augmented Generation (RAG), Agentic AI Concepts, Chunking, Embeddings, Vector-Based Retrieval

Python Libraries: Pandas, NumPy, Scikit-learn, Basic NLP

Data & Visualization Tools: Excel, Power BI, Tableau

Frameworks & Tools: Flask (Beginner), GitHub, Jupyter Notebook, REST API Integration & Testing

Soft Skills: Problem-Solving, Communication, Team Collaboration, Continuous Learning

PROJECTS

Multimodal Document Chatbot (Private and Secure RAG Platform) ⌥   **2025**

- Engineered a **secure multimodal RAG-based web application** enabling question answering over documents, PDFs, images, and audio while preventing data exposure to public AI platforms.
- Developed **document ingestion pipelines** including OCR, text extraction, chunking, embeddings, and vector-based retrieval to support context-aware LLM responses.
- Integrated **LLM-driven question answering** with controlled prompt instructions to ensure outputs were constrained strictly to user-provided knowledge.
- Applied **privacy-first design principles** to support confidential document analysis for enterprise and internal-use scenarios.
- Designed a modular backend architecture to support scalability, access control, and future enterprise deployment requirements.

Pragati AI – Intelligent Learning and Agentic AI Platform ⌥   **2025**

- Architected an **AI-powered learning and agentic platform** integrating personalized education, hands-on practice, AI tutoring, and workflow automation within a single system.
- Implemented a **RAG-based knowledge ingestion pipeline** enabling document-aware AI tutoring through PDF uploads, vector indexing, and natural language querying.
- Designed and orchestrated an **agent-based architecture** supporting multiple AI agents with execution flows, monitoring, and lifecycle management.
- Built structured **learning paths** and coding practice modules (Python, SQL) with adaptive AI tutor modes for learning, review, and problem-solving.
- Integrated **enterprise-grade authentication and user management** including OAuth, session control, security settings, and SaaS-ready scalability considerations.

EDUCATION

Sinhgad Academy of Engineering **Pune, Maharashtra**

*Bachelor of Engineering (B.E.) in Computer Science – **CGPA: 7.89/10*** *2020 – 2024*

INTERNSHIP CERTIFICATES

AI Internship **June 2025 – December 2025**

Voice Snap Software Private Limited *Remote, India*

Data Analyst Internship **December 2023 – June 2024**

Gamaka Intellectual Machine *Pune, Maharashtra*