Aniket Waichal

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CAREER OBJECTIVE:

Passionate and results-driven Software Developer with 3.5 years of experience, including 2.2 years of expertise in Generative AI (GenAI) solutions. Skilled in designing and deploying LLM-powered applications, Retrieval-Augmented Generation (RAG) systems, and scalable APIs. Strong background in Python, FastAPI, LangChain, and vector databases with proven success in developing real-time conversational AI and intelligent automation for enterprise use cases.

WORK EXPEREINCE

Birlasoft Pvt Ltd | Software Developer (Aug 2022 – Present)

PROJECTS EXECUTED

AIAdvisor (Python - GenAI) – Johnson & Johnson
- Contributed to a next-gen GenAI platform built on AbioAid, supporting multiple healthcare products with improved multi-turn conversations and RAG workflows.
- Developed backend services using Fast API for product-specific chatbot flows, automation triggers, and scalable API endpoints.
- Built document ingestion pipelines integrating Azure AI Search and vector databases for semantic retrieval.
- Developed GenAI integration by connecting LLM endpoints and refining prompt flows for real-world use cases.
- Collaborated on deployment, testing, and compliance across diverse MedTech domains.

AbioAId (Python - GenAI) – Johnson & Johnson
- Built an AI-based training platform to upskill sales reps using LLMs and NLP techniques.
- Developed a role-play chatbot with Lang Chain agents to simulate real-time doctor interactions.
- Implemented custom document embedding pipeline using Azure Document Intelligence + Veeva Vault.
- Created dynamic knowledge-check bots generating quizzes & questionnaires.
- Applied medical domain guardrails for safe and relevant AI responses.

Ethicon Alexa (Python - GenAI) – Johnson & Johnson
- Supported the development of a GenAI-powered reporting assistant for Ethicon's sales teams, enabling dynamic report generation through natural language queries.
- Contributed to Lang Chain-based NLP workflows by assisting in query parsing and SQL generation logic for real-time data access.
- Implemented backend API endpoints using Fast API to handle chatbot requests and integrate with reporting databases.
- Helped integrate Hugging Face models for intent recognition and semantic understanding of user inputs.
- Participated in testing, debugging, and documentation to ensure smooth deployment and usability across sales operations.

MedTech ASC(Python) – Johnson & Johnson
- Designed and deployed REST APIs using Fast API + PostgreSQL.
- Automated facility & territory data workflows.
- Integrated Blob Storage for product image management.
- Handled deployments, defect resolution, and support.

PERSONAL PROJECTS (GitHub)

RAG LLM System (Fast API + Lang Chain) | GitHub: genai_rag_service_project
- Built end-to-end RAG pipeline with Azure AI Search / FAISS /pinecone
- Multi-LLM provider abstraction (Ollama, OpenAI, Azure)

TECHNICAL SKILLS

- **Languages**: Python, Java, SQL
- **Frameworks**: Fast API, Lang Chain, Stream lit ,SQL Alchemy, Spring Boot, Hibernate, Postman, Swagger, Git, JIRA, Bitbucket
- **Databases**: PostgreSQL, MySQL, SQLite
- **Cloud & AI Tech**: Azure AI Search, Veeva Vault, Blob Storage, RAG, NLP, LLM Guardrails

EDUCTAION

B.Tech– DBATU University (2021) | CGPA: 8.38