

KESAVAMOORTHY S

Python Developer | GenAI & Backend Specialist

Dindigul, Tamilnadu (Willing to relocate) | +91-7845140257

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PROFESSIONAL SUMMARY

Passionate Python Backend Developer with 1.5+ years of hands-on experience building scalable GenAI applications, RAG systems, and RESTful APIs during internships and full-time role. Strong expertise in FastAPI, LangChain, LlamaIndex, vector databases (Pinecone, Milvus), and Docker. Quick learner with production-level contributions in ETL pipelines, async services, and CI/CD — eager to contribute to Ericsson's next-generation GenAI solutions.

TECHNICAL SKILLS

- Python 3.10+, FastAPI (Primary), Flask, Django
- GenAI Stack: LangChain, LlamaIndex, Hugging Face Transformers, OpenAI/Groq, Prompt Engineering
- APIs: RESTful (FastAPI), GraphQL (basic), JWT, OAuth2, Pydantic
- Databases: PostgreSQL, MongoDB, Pinecone, Milvus, Qdrant, Redis
- Tools & DevOps: Docker, Git, GitHub Actions, Postman, Linux, Nginx
- Async & Queues: Asyncio, Celery, RabbitMQ (basic)
- Testing: PyTest, unittest, CI/CD pipelines
- Cloud: AWS (S3, EC2, Lambda – hands-on via projects), GCP (basic)

PROFESSIONAL EXPERIENCE

Agilexis,Chennai.

Python Backend Developer (GenAI Team)

June 2024 – Present (1 year 5 months)

- Developing and maintaining production backend for a RAG-based enterprise chatbot using FastAPI + LangChain + Pinecone
- Built secure RESTful APIs with JWT authentication and role-based access
- Engineered document ingestion and preprocessing ETL pipeline (PDFs, docs, web pages) using LlamaIndex and Unstructured.io
- Implemented semantic search using vector embeddings (Milvus + Hugging Face)
- Containerized services with Docker and deployed via GitHub Actions

- Writing unit and integration tests (PyTest) achieving 88%+ coverage
- Reduced retrieval latency by 45% via chunking strategies and metadata filtering

EDUCATION

B.E – Computer Science and Engineering

(Anna University)

2020 – 2024 | CGPA: 8.10

ACADEMIC & PERSONAL PROJECTS (Production-grade)

1. Enterprise RAG Chatbot (Live Demo) → github.com/aryan-py/rag-chatbot
Full-stack GenAI app using FastAPI + LangChain + LlamaIndex + Pinecone + Streamlit
Supports multi-document upload, citation, and conversation history
2. Document Intelligence API → github.com/aryan-py/doc-intel-api
FastAPI backend for extracting, chunking, embedding, and querying 1000+ documents
Uses Milvus vector DB + Hugging Face embeddings
3. Async Task Queue System → github.com/aryan-py/async-etl
ETL pipeline with Celery + Redis + PostgreSQL + Docker

ADDITIONAL INFORMATION

- Availability: Immediate joiner (max 15 days)
- Preferred Location: Chennai, Bangalore, Kochin
- Strong communication, teamwork, and fast learning ability
- Deep interest in Generative AI and scalable systems