Tailored Resume

Samuel Begin

beginsam004@gmail.com | +91 8056462125 | Nagercoil

www.samuelbegin.xyz | LinkedIn: samuelbegin

Summary
Innovative GenAI Developer with expertise in integrating LLMs using Python, Flask, and LangChain. Proficient in fine-tuning models such as GPT and Llama, backend development, and API optimization. Experienced in deploying scalable AI solutions on AWS and leveraging frameworks like Hugging Face for rapid prototyping. Passionate about solving complex problems and driving AI innovation through production-ready solutions.

Education
Master of Science (Physics)

Scott Christian College, Nagercoil

2021–2023

Bachelor of Science (Physics)

N M C College, Marthandam

2018–2021

Experience
GenAI Developer

AK Info Park Pvt. Ltd., Nagercoil

July 2023 – Present

Led a team of 3 members to develop CRM systems, CMS, and APIs for mobile app deployment.

Integrated AI-driven features, including natural language processing and machine learning, to enhance app functionality.

Focused on app security, third-party integrations, and AI-driven solutions to deliver client-tailored innovations.

Skills

LLM & GenAI: LangChain, RAG, Hugging Face, OpenAI, Gemini, Gemma, Agentic AI

Frameworks: Flask, Django, Laravel

Data Handling: NumPy, Pandas, Matplotlib

Cloud: AWS (EC2, S3, Route 53, CloudFront)

Databases: MySQL, Firebase

MLOps: Model deployment, versioning, performance optimization

Front-End: HTML5, CSS, Bootstrap, React.js

APIs & Tools: Postman, Git, FileZilla

Projects

AI Drive – AI Document Writing Assistant

Oct 2024 – Nov 2024

Developed an AI assistant using RAG agents, LangChain, FAISS, and OpenAI API for accurate, context-aware responses.

Integrated SQL for real-time structured data retrieval and FAISS for efficient unstructured searches.

Optimized query resolution with customized prompts to address ambiguous queries effectively.

Built a low-latency, adaptive React-based interface for enhanced user experience.

Ticket365 – Cab & Bus Booking App

Dec 2024 – Mar 2025

Integrated third-party APIs to fetch live seat availability, timings, and routes for real-time bus booking.

Unified data from multiple API providers to present a consolidated bus selection interface.

Implemented a location mapping system to address inconsistencies in city and stop names for accurate search results.

Falls Regency – Resort Agent App

Mar 2025 – Apr 2025

Built an intelligent app for instant, hassle-free check-ins using Tesseract OCR, OpenCV, OpenAI, and LangChain.

Automated ID data extraction and registration, achieving 80% faster onboarding and reduced errors.

Designed a scalable solution for high-traffic events, integrating seamlessly with resort systems.

Certifications

LangChain – KodeKloud

Applied AI: Building NLP Apps with Hugging Face Transformers – LinkedIn

OpenAI Generative Pre-trained Transformer 3 (GPT-3) for Developers – Infosys Springboard

Text Embeddings using Large Language Models – Infosys Springboard

Python for Data Science – Learnbay