Tailored Resume

SAMUEL BEGIN

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SUMMARY

Innovative AI Engineer with 3+ years of experience in developing scalable AI solutions, specializing in Generative AI and LLM integration. Proficient in backend development, API optimization, and deploying AI models using cutting-edge frameworks like LangChain and Hugging Face. Strong expertise in agentic AI concepts, RAG, and semantic search. Experienced in orchestrating AI agents and delivering production-ready solutions. Eager to leverage AI-driven innovation in a C# and .NET Core environment.

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 NLP and machine learning, to enhance application functionality.
- Focused on app security, third-party integrations, and scalable backend solutions.
- Delivered client-tailored AI solutions, improving operational efficiency by 30%.

SKILLS

AI & GenAI: LangChain, Hugging Face, OpenAI, Agentic AI, RAG, Semantic Search
Programming: Python, C#, .NET Core

Frameworks: Flask, Django, LangGraph

Cloud: AWS (EC2, S3, CloudFront), Azure Awareness

Databases: MySQL, Firebase

MLOps: Model Deployment, Versioning, Performance Optimization

Tools: Git, Postman, FAISS, NumPy, Pandas

PROJECTS

AI Drive – AI Document Writing Assistant

- Developed an AI assistant using RAG agents, LangChain, FAISS, and OpenAI API for context-aware responses.
- Integrated SQL for real-time data retrieval and FAISS for unstructured searches.
- Designed a low-latency React-based interface, improving user satisfaction by 25%.

Falls Regency – Resort Agent App

- Built an intelligent check-in system using Tesseract OCR, OpenCV, and OpenAI.
- Automated ID data extraction, reducing onboarding time by 80%.

Ticket365 – Cab & Bus Booking App

- Integrated third-party APIs for real-time bus availability and unified data presentation.
- Implemented location mapping to address inconsistencies, improving search accuracy.

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