

Tailored Resume

SAMUEL BEGIN

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SUMMARY

Innovative GenAI Developer with expertise in integrating large language models (LLMs) and developing scalable AI solutions. Skilled in fine-tuning GPT and LLaMA models, backend development, and API optimization. Experienced in deploying AI-driven features and leveraging cloud platforms for efficient solutions. Passionate about solving complex problems and driving AI innovation with production-ready solutions.

EDUCATION

M.Sc. Physics | Scott Christian College, Nagercoil | 2021-2023

B.Sc. Physics | NMC College, Marthandam | 2018-2021

EXPERIENCE

AI Developer | AK Info Park Pvt. Ltd., Nagercoil | Jul 2023 – Present

- Led AI-driven feature development, including automated ID scanning and document processing using Tesseract OCR and OpenAI.
- Designed and deployed scalable AI solutions, reducing onboarding time by 80% and improving operational efficiency.
- Integrated APIs for real-time data processing and developed low-latency interfaces for enhanced user experience.
- Collaborated with cross-functional teams to deliver client-tailored AI and machine learning solutions.

SKILLS

Generative AI & Machine Learning:

- LLMs: LangChain, OpenAI, Hugging Face, Gemini, Gemma, Agentic AI
- Model Development: Fine-tuning GPT, LLaMA, and other AI models
- MLOps: Model deployment, versioning, and performance optimization

Backend Development:

- Python: Flask, Django
- APIs: RESTful API design and optimization

Data Handling:

- NumPy, Pandas, Matplotlib
- SQL and NoSQL databases

Cloud Platforms:

- AWS (EC2, S3, CloudFront)

PROJECTS

AI Drive – Document Writing Assistant | Oct 2024 – Nov 2024

- Developed a context-aware AI assistant using RAG, LangChain, FAISS, and OpenAI API.
- Integrated SQL and FAISS for structured and unstructured data retrieval.
- Designed a low-latency React interface for enhanced user experience.

Falls Regency – Resort Agent App | Mar 2025 – Apr 2025

- Automated ID scanning for instant guest check-in using Tesseract OCR and OpenAI.
- Achieved 80% faster onboarding and reduced errors.

Ticket365 – Cab & Bus Booking App | Dec 2024 – Mar 2025

- Integrated real-time APIs for seat availability, timings, and routes.
- Unified multi-provider data for a consolidated booking interface.

CERTIFICATIONS

LangChain – KodeKloud

Applied AI with Hugging Face Transformers – LinkedIn

OpenAI GPT-3 for Developers – Infosys Springboard

Text Embeddings using LLMs – Infosys Springboard