

Tailored Resume

NAME: Samuel Begin

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SUMMARY:

Innovative AI Developer with expertise in integrating LLMs using Python, LangChain, and Flask. Proficient in developing AI agents with Semantic Kernel and RAG, and deploying scalable AI solutions. Experienced in leveraging Generative AI and Agentic AI concepts to drive innovation. Passionate about solving complex problems through production-ready AI solutions.

EDUCATION:

Master of Science (Physics)

Scott Christian College, Nagercoil.

2021-2023

Bachelor of Science (Physics)

N M C College, Marthandam.

2018-2021

EXPERIENCE:

Web 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, focusing on app security and third-party integrations.

Delivered innovative solutions leveraging AI, NLP, and machine learning for enhanced user experience.

SKILLS:

- LLM & Generative AI: LangChain, OpenAI, Hugging Face, Agentic AI, RAG

- Frameworks & Tools: Flask, Django, Python, NumPy, Pandas
- Cloud Services: AWS (EC2, S3, CloudFront)
- Data Handling: SQL, FAISS, Vector Databases
- APIs & Integration: REST APIs, Postman, API Optimization
- MLOps: Model Deployment, Versioning, Performance Optimization

PROJECTS:

AI Drive – AI Document Writing Assistant

Oct 2024 - Nov 2024

- Developed an AI assistant using RAG agents, LangChain, FAISS, and OpenAI API.
- Integrated SQL for real-time data retrieval and FAISS for unstructured searches.
- Optimized query resolution with customized prompts for high accuracy.
- Built a React-based interface for enhanced user experience.

Ticket365 – Cab & Bus Booking App

Dec 2024 - Mar 2025

- Integrated third-party APIs for live seat availability and real-time bookings.
- Designed a location mapping system for accurate search results.
- Implemented scalable architecture for future integrations.

7Nian – Food Delivery App

July 2024 - Sep 2024

- Designed REST APIs for core functionalities and optimized delivery routes.
- Reduced operational costs by minimizing reliance on Google Maps API.

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