

Tailored Resume

SAMUEL BEGIN

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SUMMARY

Innovative AI Developer with expertise in Generative AI, LLMs, and AI-driven solutions. Proficient in integrating advanced AI models using Semantic Kernel patterns and Agentic AI concepts. Experienced in developing scalable AI applications and optimizing backend systems. Passionate about leveraging AI innovation to deliver 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

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 experiences.

SKILLS

AI & GenAI: Semantic Kernel, Agentic AI, RAG, LangChain, OpenAI, Hugging Face

Frameworks: Flask, Django, Laravel

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

Databases: MySQL, Firebase

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

MLOps: Model deployment, versioning, performance optimization

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 context-aware responses.
- Integrated SQL for real-time structured data retrieval and FAISS for unstructured searches.
- Optimized query resolution with custom prompts for high response accuracy.

Falls Regency – Resort Agent App

Mar 2025 - Apr 2025

- Built an intelligent check-in system using Tesseract OCR, OpenCV, OpenAI, and LangChain.
- Automated ID data extraction and registration, achieving 80% faster onboarding and reduced errors.

Ticket365 – Cab & Bus Booking App

Dec 2024 – Mar 2025

- Integrated third-party APIs for real-time bus availability and unified data presentation.
- Implemented location mapping to address inconsistencies in city and stop names.

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