

Tailored Resume

SAMUEL BEGIN

beginsam004@gmail.com | +91 80564 62125 | www.samuelbegin.xyz |
LinkedIn: samuelbegin

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/ML solutions on cloud platforms, with a strong focus on natural language processing (NLP), computer vision, and data engineering. Passionate about driving AI innovation in automotive and mobility solutions.

EDUCATION

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

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

EXPERIENCE

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

- Led a team of 3 to develop CRM systems, CMS, and APIs for mobile app deployment, focusing on AI-driven features and third-party integrations.
- Integrated AI/ML models to enhance app functionality, including natural language processing and machine learning algorithms.
- Delivered client-tailored solutions leveraging AI, NLP, and ML, improving user engagement and operational efficiency.

SKILLS

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

Machine Learning: TensorFlow, PyTorch, Scikit-learn, Supervised/Unsupervised Learning, Deep Learning

Data Handling: NumPy, Pandas, Matplotlib, Feature Engineering, Data Preprocessing

Backend Development: Flask, Django, FastAPI, API Optimization

Cloud Platforms: AWS (EC2, S3, Route 53, CloudFront), Microsoft Azure

Databases: MySQL, Firebase, SQL

MLOps: Model Deployment, Versioning, Performance Optimization

Tools: Git, Postman, FileZilla

Soft Skills: Problem-Solving, Analytical Thinking, Public Speaking, Fast Learner

PROJECTS

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

- Automated ID scanning (Aadhaar, Voter ID, DL) for instant guest check-in using Tesseract OCR, OpenCV, and OpenAI.
- Integrated LangChain and Flask to create a scalable solution, reducing onboarding time by 80%.

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

- Developed an AI assistant using RAG, LangChain, FAISS, and OpenAI API for context-aware responses.
- Implemented SQL + FAISS for structured/unstructured data retrieval, enabling high-accuracy query resolution.

7Nian – Food Delivery App | Jul 2024 – Sep 2024

- Designed REST APIs for core app features and built an automatic delivery agent assignment algorithm.
- Reduced costs by minimizing reliance on Google Maps API through optimized routing logic.

Pet Foodle – Pet Social Media & E-Com Platform | Aug 2023 – Nov 2023

- Developed APIs and algorithms for personalized content recommendations.
- Integrated secure payment gateways and designed a scalable e-commerce section for pet products.

CERTIFICATIONS

LangChain – KodeKloud

Applied AI with Hugging Face Transformers – LinkedIn

OpenAI GPT-3 for Developers – Infosys Springboard

Text Embeddings using LLMs – Infosys Springboard