

Tailored Resume

SAMUEL BEGIN

AI Developer & Generative AI Specialist

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SUMMARY

Innovative GenAI Developer with expertise in integrating Large Language Models (LLMs) using Python, LangChain, and OpenAI. Skilled in fine-tuning GPT and LLaMA models, backend development, and deploying scalable AI solutions. Experienced in leveraging cloud platforms for model deployment and optimizing APIs for seamless integration. Passionate about driving AI innovation and delivering production-ready solutions that align with business objectives.

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

- Spearheaded AI-driven feature development, integrating NLP and ML models to enhance CRM and CMS systems.
- Designed and deployed REST APIs for mobile app deployment, ensuring scalability and security.
- Led a team of 3 to deliver client-tailored AI solutions, improving process efficiency by 40%.

SKILLS

Technical Skills:

- Machine Learning: TensorFlow, PyTorch, Scikit-learn, Supervised/Unsupervised Learning, Deep Learning
- Programming: Python, R, SQL, Java

- Data Processing: Apache Spark, Hadoop, NumPy, Pandas
- Cloud Platforms: AWS (EC2, S3, CloudFront), Azure
- NLP: LangChain, OpenAI, Hugging Face, Text Embeddings
- Frameworks & Tools: FastAPI, Django, Flask, Laravel, Git, Postman
- Databases: MySQL, Firebase
- MLOps: Model Deployment, Versioning, Performance Optimization

Business Acumen:

- Strong ability to translate technical concepts into actionable business insights.
- Skilled in aligning AI/ML solutions with organizational goals and stakeholder needs.

PROJECTS

Resort Agent App | Mar 2025 – Apr 2025

- Developed an automated ID scanning system using Tesseract OCR, OpenCV, and OpenAI, reducing check-in time by 80%.
- Integrated LangChain and Flask for scalable AI-driven solutions, ensuring high traffic handling.

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

- Designed APIs for real-time data integration, improving booking efficiency by 30%.
- Implemented location mapping and secure payment gateways, enhancing user experience.

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

- Built a context-aware AI assistant using RAG, LangChain, and OpenAI, achieving 90% query accuracy.
- Integrated SQL and FAISS for efficient data retrieval and structured responses.

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

- Developed REST APIs and delivery agent assignment algorithms, reducing operational costs by 20%.
- Implemented live order tracking, improving customer satisfaction.

CERTIFICATIONS

- LangChain – KodeKloud
- Applied AI with Hugging Face Transformers – LinkedIn
- OpenAI GPT-3 for Developers – Infosys Springboard
- Text Embeddings using LLMs – Infosys Springboard

- Python for Data Science – Learnbay

ACHIEVEMENTS

- Resource Person at 5+ colleges, delivering sessions on AI, GenAI, and Web Development.
- Reduced onboarding time by 80% through AI-driven solutions in Resort Agent App.
- Improved booking efficiency by 30% in Ticket365 through real-time data integration.