Caleigh Goliath

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💻 Portfolio: https://kgoliath.github.io/portfolio-website/

Professional Profile

Motivated **IT graduate and AI developer** with a Diploma in IT Software Development and practical experience in building **AI-driven applications** that improve learning, automation, and data-driven decision-making. Skilled in **Python, JavaScript, C#, and AI integration**, with a strong foundation in **Machine Learning, NLP, and Prompt Engineering**. Passionate about developing ethical, user-centered AI systems that enhance productivity and accessibility.

Education

Diploma in Information Technology (Software Development)
Nelson Mandela University, Gqeberha — 2024

Career Objective

To join an innovative organization in **AI or Machine Learning development**, contributing to impactful projects that combine intelligent automation, ethical design, and user-focused technology.

Key Projects

AI Resume Builder | React, Node.js, Express, Gemini API

- Built a full-stack resume generator with AI-based content creation and ATS analysis.
- Integrated Gemini API via a secure backend for text generation and job-fit analysis.
- Deployed frontend on Vercel and backend on Railway.

AI-Powered Study Assistant | Botpress Cloud, GPT-based LLM

- Developed a chatbot that summarizes notes, explains concepts, and generates quizzes.
- Designed Figma prototype demonstrating user flow and interactive responses.

EduBot – AI Chatbot | Botpress Cloud

- Built an educational chatbot explaining AI concepts through NLP-driven conversations and interactive quizzes.

Custom Marketing Generator | Google Sheets, Apps Script, Gemini API

- Automated marketing content creation using Gemini AI through a Sheets interface.

Sentiment Analysis Dashboard | Streamlit, Hugging Face, Pandas

- Created an NLP dashboard for real-time and batch sentiment analysis with data visualization and export features.

Meeting Analysis App | Python, Flask, Cohere, Assembly AI

- Automated meeting transcription, summarization, and sentiment analysis with PDF reporting.

Technical Skills

Programming Languages: Python, C#, JavaScript, SQL, HTML / CSS
AI & ML Tools: TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
Platforms: Botpress, Google Gemini API, Google Cloud, GitHub, Figma
Core Skills: NLP, Prompt Engineering, Data Analysis, Automation, Model Evaluation, Technical Documentation

Professional Certifications (Coursera)

- [AI For Everyone – *DeepLearning.AI*](#)

- [Introduction to Artificial Intelligence (AI) – *IBM*](#)

- [AI Essentials – *Intel*](#)

- [AI Foundations: Prompt Engineering with ChatGPT – *Arizona State University*](#)

- [Generative AI with Large Language Models – *DeepLearning.AI*](#)

- [Python for Data Science, AI & Development – *IBM*](#)

- [Supervised Machine Learning: Regression and Classification](#) – *Stanford / DeepLearning.AI*

- [Advanced Learning Algorithms](#) – *DeepLearning.AI*

- [Unsupervised Learning, Recommenders & Reinforcement Learning](#) – *DeepLearning.AI*

- [Introduction to Responsible AI](#) – *Google Cloud*

- [Trustworthy AI: Managing Bias, Ethics, and Accountability](#) – *Johns Hopkins University*

- [Introduction to Generative AI](#) – Google Cloud

Core Competencies

- AI System Design & Integration

- Chatbot and NLP Development

- Machine Learning Workflow Implementation

- Data Visualization & Feature Engineering

- Ethical & Responsible AI Practices

- Cross-functional Team Collaboration

Personal Branding Statement

"Building intelligent, ethical, and user-focused AI solutions that make technology more human."