

## Caleigh Goliath

📍 Gqeberha, South Africa

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## Professional Profile

Motivated **IT graduate and AI developer** with hands-on experience creating intelligent, data-driven applications that enhance learning, automate workflows, and support ethical AI practices. Skilled in **Python, C#, and AI integration**, with a strong foundation in **Machine Learning, Natural Language Processing (NLP)**, and **Prompt Engineering**.

Passionate about building solutions that make technology more human — combining automation, analysis, and creativity to deliver measurable impact.

## Education

### Diploma in Information Technology (Software Development)

Nelson Mandela University, Gqeberha — 2024

## Career Objective

To contribute to innovative AI and Machine Learning projects by leveraging my programming, data analysis, and prompt engineering skills to build practical, ethical, and scalable intelligent systems.

## Key Projects

### AI Chatbot (EduBot)

*Group Project | Botpress Studio*

- Built an educational chatbot to assist students with personalized learning interactions.
- Implemented NLP-based conversation flows for tutoring and question answering.
- Tools: Botpress, GPT-based model, Webchat Integration

## **AI-Powered Study Assistant**

*Group Project | Botpress Cloud*

- Developed an AI chatbot that summarizes notes, explains concepts, and generates quizzes.
- Reduced revision time and improved active recall through interactive learning.
- Tools: Botpress, LLMs, Knowledge Base, Figma

## **Custom Marketing Generator**

*Individual Project | Google Sheets + Gemini API*

- Automated marketing content creation using Google Apps Script and Gemini API.
- Designed a Google Sheets frontend for seamless text generation and editing.

## **Sentiment Analysis**

*Group Project | Python*

- Built a model to analyze and classify sentiment from user feedback.
- Used Scikit-learn and NLP preprocessing for training and evaluation.

## **AI Resume Builder**

*Individual Project | Python + Google Gemini API*

- Created an AI-powered resume generator that formats and optimizes professional resumes.

## **AI Meeting Summarizer**

*Group Project | NLP + Summarization Model*

- Designed a system to convert meeting transcripts into concise summaries and action items.

## **Bias Report (Trustworthy AI)**

*Group Project | Research + Ethics Evaluation*

- Conducted an AI bias audit and developed recommendations for fair model performance.

## **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 – *Google Cloud*
- AI Foundations: Prompt Engineering with ChatGPT – *DeepLearning.AI*
- 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 – *DeepLearning.AI*

### **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-centered AI solutions that make learning and technology more accessible.”