

# MUHAMMAD ZAIN

## GENERATIVE AI DEVELOPER AND DATA SCIENTIST

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### SUMMARY

Generative AI Developer with 2+ years at Qonkar Technologies, specializing in computer vision, NLP, LLM-driven chatbots and autonomous workflows. Built Qonkar Chatbot, DocumentGPT and Personal AI Assistant using LangChain, OpenAI API, Google Gemini, vector databases, and open-source models.

### PROFESSIONAL EXPERIENCE

#### AI Developer, Qonkar Technologies Dec 2024 - Present

- Launched the Qonkar Chatbot web app using LangChain, Gemini API, and vector databases, cutting client response time by 30%.
- Deployed DocumentGPT with RAG, automating document understanding at 92% accuracy and reducing manual review efforts by 50%.

#### AI Intern, Qonkar Technologies Sep 2024 - Dec 2024

- Built Streamlit POC of Qonkar Chatbot, exploring LLM frameworks and RAG workflows.
- Collaborated on vector database integration to optimize prototype performance.

### PROJECTS

#### DocumentGPT Mar 2024 - May 2024

- Developed DocumentGPT, an AI-powered tool using Streamlit for interactive document Q&A over PDF and DOCX files.
- Implemented semantic search using HuggingFace embeddings stored in a Qdrant vector database.
- Integrated LangChain with Google's Gemini 2.0 Flash to enable real-time chat with document content.

#### Web-Based AI Chatbot for Qonkar Technologies Dec 2024 - Apr 2024

- Built and deployed a fully responsive AI chatbot for Qonkar Technologies using HTML5, CSS3, and vanilla JavaScript.
- Integrated the chatbot to automate customer support, enhance user engagement.
- Applied NLP and LLM techniques to power conversational intelligence without relying on third-party tools.

#### AI-Powered Chatbot for Qonkar Technologies Sep 2024 - Dec 2024

- Built Streamlit chatbot using Google Gemini API and LangChain for contextual AI conversations, boosting engagement.
- Created intuitive UI with customizable prompts, sample queries, and conversation history.
- Implemented core logic with LangGraph and NLP to manage complex dialog flows and maintain context.

### SKILLS

- Programming Languages:** Python, JavaScript.
- Machine Learning Frameworks:** LangChain, LangGraph, Scikit-learn, Hugging Face Transformers and Diffusers
- Generative AI Tools:** OpenAI API, Google Gemini API, RAG (Retrieval-Augmented Generation), Vector Databases (e.g., Qdrant).

- **Large Language Models (LLMs):** GPT-4, Llama, Mistral, Gemini.
- **Document & Chatbot Solution:** Custom Chatbots, Document Q&A Systems, Agentic AI Workflows.
- **Soft Skills:** Problem Solving, Communication, Critical Thinking, and Team Collaboration

**EDUCATION**

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**Bachelor of Engineering in Computer Systems Engineering** **Dec 2021 - Dec 2025**

- Quaid-e-Awam University of Engineering, Sciences and Technology, Nawabshah.

**CERTIFICATIONS & AWARDS**

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- AI Agents Fundamentals – Hugging Face | 2025
- Generative AI for Data Scientists Analytics Specialization – Manthan Patel | 2024