

Abdul Raza

Python developer

abbdulrazza@gmail.com | 7014089969

Professional Summary

As a Python developer with over two years of experience, I bring a strong blend of technical proficiency and creative problem-solving to every project. I specialize in building scalable, maintainable, and high-performance web applications using Python and Django. Passionate about crafting intuitive user experiences and driven by a deep commitment to innovation, I consistently strive to deliver impactful and efficient software solutions that align with business goals and user needs.

Experience

Python Developer

March 2024 – Present

Latitude Technolabs – Ahmedabad

- Designed, developed, and maintained robust web applications using (Django, Flask, Fastapi) and PostgreSQL.
- Implemented new features based on client requirements, enhancing user experience and engagement.
- Including experience with LLM. Developed and integrated RESTful APIs for seamless front-end and back-end communication.

Python Developer

April 2023 – March 2024

Pizone Infotech Pvt Ltd. – Jaipur

- Collaborated with cross-functional teams for full-stack integration and project delivery.
- Conducted code reviews and applied best practices including unit testing and CI/CD pipelines.
- Designed optimized database schemas and managed complex queries for performance.
- Diagnosed and resolved bugs to ensure stable and efficient application performance.

Education

Career Point University

Master of Computer Applications (MCA) | 2022 – 2024

Career Point University

Bachelor of Computer Applications (BCA) | 2019 – 2022

Skills

- Languages & Frameworks:** Python, Django, Django Rest Framework, Flask, Fastapi, LLM
- Web Technologies:** HTML, CSS, JavaScript
- Databases:** MySQL, PostgreSQL, SQLite, Mongo
- Tools:** Git, GitHub, Docker

- **Others:** Data Structures & Algorithms (Python)
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Projects

E-Learning Platform

Built a dynamic education portal with blogs and three user modules (User, Faculty, Admin). Designed an authentication system and CMS panel to support content and role-based access.

Responsibilities:

- Implemented secure login sessions with role-based authentication.
 - Designed backend architecture and REST API for content delivery.
 - Created and maintained dynamic dashboards and user interfaces.
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AI Chat-bot Assistant

Developed an AI-powered virtual chatbot that handles customer queries using machine learning models.

Responsibilities:

- Converted raw user input into structured data for training and response generation.
 - Developed automation scripts to classify customer queries.
 - Built an expandable system architecture to integrate advanced NLP models.
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Virtual Coaching Chatbot

A LLM + FastAPI-based app integrating OpenAI's API and MongoDB to manage real-time chat, generate AI responses, and maintain chat history with user and thread management.

Responsibilities:

- Created APIs for chat handling, OpenAI interaction, and chat history management.
- Built robust user and thread tracking modules.
 - Designed endpoints to fetch, clear, and manage conversations.
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SitMark Audio 2M Watermarking

Developed FastAPI-based web application for embedding and detecting hidden watermarks in .wav audio files using CLI tools.

Responsibilities:

- Embedded binary-encoded text into audio files based on frequency and loudness analysis using librosa and sox.
 - Implemented watermark detection with CRC verification and detailed logs.
 - Developed a user-friendly web interface for uploading, downloading, and managing audio files.
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AI-Powered Event Booking Chatbot with RAG and Memory

Developed an intelligent, production-grade WhatsApp chatbot for Cococure using Retrieval-Augmented Generation (RAG) with LangChain, FAISS, Redis, and OpenAI GPT-4o.

Responsibilities:

- Integrated FAISS vector store to index and retrieve semantically relevant knowledge chunks.
- Implemented document chunking logic to improve contextual search accuracy.
- Added Langchain Redis-based memory to support multi-turn conversation and personalized interactions
- Used FastAPI backend with MongoDB for persistent logging and Redis for ephemeral memory.
- Built custom tools for date-based event retrieval and enabled memory-based replies and memorize chat.

Certifications :

- **Programming with Python** – Internshala Training (May 2020 – Jun 2020)
- **Python (Basic & Advanced) with Django Web Framework** – Ducat Institute, Noida (Mar 2022 – Jun 2022)
- **Programming with Python** – *Career Point University (Jul 2019 – Aug 2019)*