

# CHOUDARY HUSSAIN ALI

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## SUMMARY

AI-focused developer and BS-IT undergraduate skilled in building practical, human-centered AI systems. Experienced in LLMOps, RAG pipelines, conversational agents, and domain-specific Python tools using Groq, OpenAI, Gemini, and LangChain. Strong foundation in Python and web technologies, with ongoing learning in modern front-end development to enhance AI integration and deployment.

## SKILLS

- ❖ **Languages** Python, C, C++
- ❖ **IT Constructs** Data Structures & Algorithms, OOP, OS, DBMS
- ❖ **Web Development** HTML, CSS, JavaScript, Streamlit, CRUD Operations, Git & Version Control, DOM Manipulation
- ❖ **Frameworks & Database** LangChain, Huggingface, Pinecone, FAISS, MySQL, Chroma DB

## EDUCATION

- ❖ **BS Information Technology** | 7th Semester CGPA: 3.11 | 2022-26
- ❖ XII — HSSC | FSc. Pre-Eng 82% | 2022
- ❖ X — SSC | Computer Science 84% | 2020

## ACADEMIC PROJECTS

- ❖ **AutoMARK** — *Vision based MCQ Grading System* [Live Demo](#) | [GitHub](#)  
Developed AutoMARK-v1.0, an automated solution to grade paper-based MCQ exams by analyzing scanned or photographed answer sheets using computer-vision techniques — eliminating the need for manual checking or expensive OMR machines.  
**Outcome & Significance:**
  - I An intelligent automated grading system designed to streamline the checking of MCQ-based exams. This tool accepts answer keys and student response sheets (CSV/PDF), processes them instantly, and generates detailed result reports, saving valuable time for educators.
  - II Transformed a traditionally manual, error-prone process into a reliable, fast, and scalable automated grading tool — significantly reducing grading time and effort.
- ❖ **FileIQ** — *Document Intelligence & QnA Bot* [Live Demo](#) | [GitHub](#)  
Developed FileIQ, an AI-powered document assistant that allows users to upload PDFs, DOCX, or TXT files and ask natural-language questions to extract precise answers instantly. Designed to streamline information retrieval from documents for research, academics, and business use.  
**Outcome & Significance:**
  - I Transformed manual document reading and search into a fast, automated, and intelligent Q&A experience. The bot intelligently understands your documents and provides accurate answers with source references.
  - II Built a pipeline splitting documents into semantic chunks, embedding them with sentence-transformers, storing them in a FAISS vector index, and retrieving relevant content at query time.
- ❖ **PizzAi** — *AI-Powered Pizza Ordering Assistant* [Live Demo](#) | [GitHub](#)  
Built PizzAi-Bot, a conversational pizza-ordering web application that interacts like a real server, takes full customer orders (menu selection, toppings, delivery/pickup options), summarizes the bill, and confirms the order through a natural-language chat interface.

## CERTIFICATIONS

- ❖ **Advanced Python Programming & Applications**  
YSDS — Yashfeen Skills Development Services

NAVTTTC / Mar - 2025