

Devraj Singh Chouhan – Professional Profile

Short Summary

AI Enthusiast and Python Developer skilled in building intelligent backend systems, automation tools, and AI-driven applications. Experienced in integrating LLMs, RAG pipelines, FastAPI APIs, MySQL databases, and automation workflows.

Education

Bachelor of Technology (B.Tech) – Computer Science & Engineering (Data Science)

Lakshmi Narain College of Technology (LNCT), Bhopal

2021 – 2025

CGPA: 8.10

Class 12th – Kendriya Vidyalaya, Raisen

Percentage: 87.2%

Skills

Python, FastAPI, Flask, LangChain, RAG, MySQL, SQL, Pandas, NumPy, Matplotlib, Seaborn,

Machine Learning, OOP, Git, VS Code, Excel Automation, Redis, Celery, n8n.

Services

1. Database Management & Automation

- Designing scalable databases, automation pipelines, SQL optimization, and backend workflows.

2. AI Integration & Chatbot Development

- Building LLM-powered chatbots, RAG systems, AI automation, and natural language interfaces.

3. Frontend Enhancement & UI Engineering

- Creating interactive UIs, AI-enhanced components, and modern web experiences.

Projects

1. AI-Powered SQL Query Writer

Built an intelligent analytics system using MySQL and LangChain that converts natural-language queries into optimized SQL statements and returns instant insights.

Tech: LangChain, MySQL, Python, SQL, Data Analysis

2. Voice AI Interview System

Developed a real-time AI interview platform using RAG, FastAPI, Groq LLMs, TTS, and lip-sync video generation for realistic AI interviews and automated responses.

Tech: RAG, FastAPI, Groq, Python, TTS, Lip-Sync

3. Email Automation System

Created an automated email marketing & workflow engine using Flask, Celery, and Redis, enabling scheduled emails, workflow automation, and high-volume scalability.

Tech: Flask, Celery, Redis, Python, Automation