**Devraj Singh Chouhan – Professional Profile**

**Contact Details**

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**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