Devraj Singh Chouhan

Professional Summary:
Devraj Singh Chouhan is an AI/ML and Backend Developer with strong technical skills in Python, SQL, FastAPI, Flask, automation systems, and intelligent backend development. He learns fast, works independently with minimal guidance, and consistently delivers accurate work within deadlines. Devraj is disciplined, detail-oriented, and excels in building efficient automation tools, AI systems, and structured backend logic.

Core Strengths:
- Works fast and accurately
- Needs very minimal guidance
- Strong analytical & problem-solving ability
- Quickly learns new technologies
- Highly disciplined & consistent
- Finishes tasks on time
- Clean and structured coding style

Technical Skills:
Python, SQL, MySQL, FastAPI, Flask, LangChain, Pandas, NumPy, Matplotlib, Seaborn, Machine Learning, OOP, Git, VSCode, Excel Automation, API Development, Backend Pipelines.

Education:
B.Tech — CGPA: 7.86
12th — 87.2% (Kendriya Vidyalaya Raisen)

Certifications:
- Python Programming — Udemy
- Python Essentials — Cisco

Internship Experience — Visko Group (3 Months)
Role: AI/ML & Backend Developer

Work Completed:
1. Excel Automation Platform
- Built automated Excel-report generation systems
- Designed JSON $\rightarrow$ Excel template engines
- Eliminated repetitive manual work

2. AI Avatar System
- Implemented lip-sync pipelines
- Worked on 3D avatar automation
- Integrated TTS + avatar rendering

3. Email Automation System
- Automated email generation and sending
- JSON-based dynamic content engine

4. Backend Development
- Developed APIs using FastAPI / Flask
- Built structured backend modules
- Added data processing pipelines
- Implemented error handling & logging

5. AI & Data Projects
- Integrated ML models in backend
- Performed data cleaning and transformation

- Created inference workflows

Major Projects:
1. Pizza Sales Analysis
- SQL + Python analysis
- Cleaned and processed dataset
- Revenue trends, top-selling items, cumulative metrics
- Matplotlib visual dashboards

2. Student Data System
- Python + MySQL application
- Student records, fees, attendance
- Automated visual reports

3. Sentiment Analysis ML Model
- NLP classification using sklearn
- 85% accuracy
- Preprocessing, training, evaluation

4. IoT Sensors & Actuators Documentation
- Notes covering sensors, errors, types, components

5. Automation Projects
- Email automation
- Excel templating engine
- Backend automations
- AI avatar automation flows

Working Style:
- Completes work on time
- Independent worker
- Highly focused
- Delivers clean and structured systems
- Quick problem-solver