Ishant Chouhan

ishantchouhan666@gmail.com ⋄ +91 9340468387 ⋄ github.com/Ishant-Chouhan ⋄ linkedin.com/in/ishantchouhan

Education

Bachelor of Technology (B.Tech) in Computer Science and Engineering *2022 – 2026**
Oriental Institute of Science and Technology, Bhopal

Skills

- **Languages:** Python, SQL
- **Libraries/Frameworks:** Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn
- **Tools:** MySQL, Power BI, Git
- **Concepts:** Supervised Learning, Unsupervised Learning, Deep Learning, Neural Networks, Large Language Models, RAG

Experience

AI/ML Intern *Nov 2025 – Present*
Decode Data Academy

- Built backend workflows for data-drift analysis using **Evidently AI**, comparing reference and current datasets and generating comprehensive, production-ready drift reports for monitoring.
- Implemented a backend model evaluation service that executes inference through user-provided APIs and computes deterministic, explainable consolidated performance scores for models.
- Contributed to developing a dataset of 39+ expert-level machine learning queries for **Claude Opus 4.5** on the Taiga platform, ensuring high-quality evaluation coverage.

Data Science and Machine Learning Intern *Apr 2025 - Aug 2025*
Zaalima Development

- Developed an **Online Payment Fraud Detection** system achieving **98.95% accuracy** through robust feature engineering and model optimization techniques.
- Built an **E-Commerce Fraud Detection** model achieving **90.24% accuracy** using carefully curated datasets and validated machine learning pipelines.
- Led two teams to gather requirements, define project scope, prepare datasets, and ensure smooth coordination across all development stages.

Projects

Virtual AI Tutor (Link) *Apr 2025*

- Developed a **3D AI model** to answer student queries with real-time, conversational explanations for enhanced learning.
- Integrated a **RAG-based system** using LLMs to generate accurate, context-aware responses tailored for learners.
- Technologies used: Weaviate, Gemini-1.5-flash, and advanced large language model architectures in production.

Movie Recommendation and Sentiment Analysis (Link) *Mar 2025*

- Built a movie recommendation system with sentiment analysis using **LSTM** networks for improved prediction quality.
- Achieved **87.59% accuracy** through careful hyperparameter tuning and rigorous validation on large-scale review data.
- Managed **4,803 movies** and **480,600 reviews** efficiently stored, indexed, and queried using a MySQL database.

Citizen's Complaints Routing System (Link) *Mar 2025*

- Designed a complaint routing system to map user complaints accurately to the most relevant departments for resolution.
- Worked on complaint classification and analysis to improve routing accuracy and response efficiency.
- Technologies used: Streamlit, Gemini-1.5-flash, and MySQL for seamless integration and deployment.

Certifications

- Amazon ML Summer School – Aug 2025
- Python Essentials 1 & 2 – Cisco (June 2024)
- Python Demonstrations for Practice Course – Udemy (March 2024)
- AI Virtual Internship – Pantech Solutions (Nov 2024)