

# Prakul Jain

## Data Science Trainee

I'm a Data Scientist with hands-on experience in building and deploying scalable machine learning models using Python, scikit-learn, and TensorFlow. My background includes working with data analysis, computer vision, and optimizing algorithms to deliver high-performance solutions. I'm proficient in cloud platforms like AWS—especially SageMaker and Lambda—and well-versed in using Docker and CI/CD pipelines to streamline model deployment. I also bring solid experience in MLOps, including managing the full model lifecycle, version control, and monitoring in production. Above all, I'm passionate about turning data into impactful, real-world solutions that make a difference.

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## WORK EXPERIENCE

### Data Science Trainee Regex Software Services

12/2024 - Present

Jaipur

#### Achievements/Tasks

- Built ML models using scikit-learn for business forecasting and applied tuning to improve performance
- Deployed models with AWS SageMaker and Lambda for scalable, production-ready inference.
- Leveraged LLMs (Gemini, Bedrock) and prompt engineering to generate strategic business insights.
- Used ChromaDB in a RAG setup for semantic search, boosting accuracy by 15% and reducing training time.
- Built ML models using scikit-learn for business forecasting and applied tuning to improve performance.

## PERSONAL PROJECTS

### BeautySyncPro - Smart Salon Management (06/2025 - Present)

- Developed a Flask-based salon management web app with a SQL backend for handling services and user data.
- Integrated an AI-powered chatbot using LangGraph, Serper, Tavily, and LLM APIs for real-time, web-enhanced responses.

### SmartOps AI - GenAI Strategy Assitant (05/2025 - 06/2025)

- Built a GenAI assistant using Gemini LLM, Serper API, and Tavily to generate business strategies via prompt workflows and Streamlit
- Integrated real-time web search and contextual understanding to deliver tailored, data-informed strategic recommendations.

### Employee Attrition Analysis (03/2025 - 03/2025)

- Performed employee attrition analysis in Jupyter Notebook using pandas, focusing on data cleaning, transformation, and exploratory data analysis.
- Identified key drivers of turnover and extracted actionable insights to support data-driven retention.

## EDUCATION

### Bachelor Of Computer Application Maharishi Dayanand University

08/2022 - 08/2025

Ajmer

### Intermediate (CBSE) Makrana Public School

04/2021 - 04/2022

Makrana

## SKILLS

Programming & Tools:  
Python, SQL, GitHub, Jupyter  
Notebook, VS Code, Flask,  
FastAPI

Deep Learning: ANN, CNN,  
RNN, LSTM, TensorFlow,  
Hugging Face, LLMs,  
Transformers, RAG, Prompt  
Engineering.

MCP & MLOps: End-to-end  
model development,  
deployment automation.

Machine Learning:  
Supervised & Unsupervised  
Learning, Feature  
Engineering, Generative AI,  
Vector Databases

Cloud & DevOps: AWS  
(SageMaker, Lambda, EC2,  
Bedrock), Docker, CI/CD  
Pipelines

Databases & DBA Skills:  
MySQL, Query Optimization,  
Access Control.

## ACHIEVEMENTS

HackerRank Sql (5 star)

HackerRank Python (5 star)

Vertex AI Batch - Google Cloud

Coding & Problem-Solving - (100+ LeetCode)

## CERTIFICATES

HackCrux Hakathon - LMNIIT

Google Cloud Vertex AI - Google Cloud

Python (Advanced) - HackerRank

SQL (Advanced) - HackerRank

## LANGUAGES

English  
Full Professional Proficiency

Hindi  
Full Professional Proficiency