

ARPIT JAIN

Palwal, Haryana

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Summary

Entry-level Data Scientist with practical experience in Python, SQL, Machine Learning, Deep Learning, and Data Visualization. Developed regression, classification, and clustering models with greater accuracy 90% and applied feature engineering techniques to improve performance. Built and deployed ML applications using Flask and Streamlit, and designed dashboards in Power BI and Tableau to support data-driven decisions. Experienced in working with data sets of varying sizes, performing pre-processing, exploratory data analysis, and presenting insights in a clear and actionable way

Technical Skills

Programming: Python (Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn), SQL, C++, HTML/CSS

Visualization/Tools: Power BI, Tableau, Excel, Jupyter Notebook, Git/GitHub, VS Code, AWS

ML/AI: EDA, Feature Engineering, Regression, Classification, Clustering, Model Validation, Deep Learning (CNNs, RNNs, Transformers), Generative AI (LLMs, Prompt Engineering)

Deployment: Flask, FastAPI, Streamlit, API integration, Real-time dashboards

Projects

Diabetic Retinopathy Detection | Python, Scikit-learn

Aug 2025

- Built a traditional ML model (Random Forest & SVM) achieving 85% accuracy for early detection of diabetic retinopathy.
- Engineered features from retinal images (texture, intensity, shape) and applied preprocessing for noise reduction.
- Generated diagnostic reports from model predictions to support medical decision-making.

MoodSense – Emotion Recognition | Python, TensorFlow, OpenCV

May 2025

- Developed AI system classifying 7 emotions with live confidence scoring and on-screen overlays.
- Processed and analyzed 5K+ emotion data points, generating visual reports for behavioral insights.
- Integrated OpenCV for real-time webcam inference with smooth frame-by-frame predictions.

UPI Fraud Prediction | Python, Scikit-learn, Flask

Nov 2024

- Built fraud detection pipeline on 10K+ transactions, achieving 92% accuracy, 90% precision, 88% recall.
- Applied feature engineering (transaction frequency, amount patterns) to improve fraud detection.
- Implemented real-time prediction in Flask, reducing false positives by 15%.

Experience

Velocis

Aug 2025 – Present

Machine Learning Intern

Noida, UP

- Developed AI chatbot integrated with SQL DBs, automating 70% of common queries.
- Optimized preprocessing pipelines, reducing data handling time by 25%.
- Collaborated with developers and analysts to deliver scalable AI workflows.

AWC Software

Dec 2024 – Feb 2025

Python Intern

Noida, UP

- Automated QA testing pipelines with Python + PowerShell, reducing bug detection time by 50%.
- Streamlined reporting by parsing 1K+ XML results per cycle, accelerating deployments.

Education

VIT Bhopal University

Oct 2022 – Present

B.Tech in Computer Science and Engineering

Bhopal, MP

Certifications and Achievements

Machine Learning (Coursera) — SQL – LeetCode (Top 50) — Kaggle Competitions – Participant