

# ARPIT JAIN

Palwal, Haryana

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## Summary

Entry-Level Data Scientist with hands-on experience in Python, SQL, Machine Learning, Deep Learning, and Data Visualization. Built predictive models with 90%+ accuracy using regression, classification, and clustering. Deployed ML solutions with Flask/Streamlit and created dashboards (Power BI, Tableau) that improved decision-making across teams.

## 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, Azure

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

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

## Projects

### Diabetic Retinopathy Detection | Python, TensorFlow, Flask

Aug 2025

- Engineered CNN model with 88% accuracy for early detection of diabetic retinopathy.
- Deployed via Flask for real-time image uploads and automated diagnostic reports.

### MoodSense – Emotion Recognition | Python, TensorFlow, OpenCV

May 2025

- Developed AI system classifying 7 emotions with live confidence scoring and overlays.
- Analyzed 5K+ emotion data points and generated visualization reports for trend insights.

### UPI Fraud Detection | Python, Scikit-learn, Flask

Nov 2024

- Built fraud detection pipeline on 10K+ transactions, achieving 92% accuracy, 90% precision, 88% recall.
- Implemented real-time detection in Flask, reducing false positives by 15%.

## Experience

### Velocis

Aug 2025 – Present

Noida, UP

*Machine Learning Intern*

- 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 Solutions

Dec 2024 – Feb 2025

Noida, UP

*Python Intern*

- 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.Sc. Computer Science and Engineering*

Bhopal, MP

## Certifications and Achievements

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