

ARPIT JAIN

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Summary

Entry-Level Data Scientist with expertise in Python, SQL, Machine Learning, Deep Learning, and Data Visualization. Proficient in EDA, regression, classification, clustering, and predictive modeling, with hands-on experience in deploying ML solutions via Flask and Streamlit. Delivered projects with 90%+ model accuracy, 2× faster testing cycles, and dashboards impacting decision-making. Adept at collaborating with teams to translate business problems into data-driven solutions.

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, Microsoft Azure
ML & AI Techniques: EDA, Feature Engineering, Classification, Regression, Clustering, Model Validation, Deep Learning (CNNs, RNNs, Transformers), Generative AI (LLMs, Prompt Engineering, Text-to-Image Models)
Deployment: Flask, Streamlit, API integration, Real-time dashboards

Projects

Early Diabetes Retinopathy Prediction | Python, TensorFlow, Flask Aug 2025

- Engineered a CNN-based model achieving 88% accuracy for early detection of diabetic retinopathy.
- Deployed a Flask app enabling real-time image uploads and automated diagnostic reports, improving accessibility for non-technical users.

MoodSense – Emotion Recognition | Python, TensorFlow, OpenCV May 2025

- Designed a real-time AI system detecting 7 emotions with confidence scoring and emoji overlays.
- Collected and analyzed 5K+ emotion data points, creating visual reports that identified usage patterns for productivity tracking.

UPI Fraud Detection System | Python, Scikit-learn, Flask Nov 2024

- Built a fraud detection pipeline analyzing 10K+ UPI transactions, achieving 92% accuracy, 90% precision, and 88% recall.
- Implemented real-time fraud detection via Flask, reducing false positives by 15% compared to baseline models.

Experience

Velocis Aug 2025 – Present *Machine Learning Intern* Noida, UP

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

AWC Solutions Dec 2024 – Feb 2025 *Python Intern* Noida, UP

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

Education

VIT Bhopal University Oct 2022 – Present *B.Sc. Computer Science and Engineering* Bhopal, MP

Certifications

Machine Learning (Coursera) – View Credential

SQL – LeetCode (Top 50) Badge

Kaggle Competitions – Participant