

SARTHAK GOYAL

Agra, India

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Summary

Data Analyst & ML Engineer with experience in Python, SQL, Power BI, and end-to-end ML workflows. Improved model performance by 30%, automated multi-source data processes by 40–60%, and developed dashboards that strengthened insight delivery and decision-making accuracy by 30–50%.

Education

Vellore Institute of Technology (VIT)

B. Tech in Computer Science and Engineering (E-Commerce Tech)

Oct 2022 – Present

Experience

BKG Overseas — Data Analyst Intern (Remote)

Jun 2025 – Jul 2025

- Analyzed 10K+ multi-source financial records and built interactive dashboards that increased reporting accuracy and improved decision-making efficiency by 30%..
- Implemented AI/GenAI-driven automation reducing manual effort by 40% and report turnaround time by 35%.
- Built predictive models increasing forecasting accuracy by 25% supporting strategic planning.
- Collaborated with teams to resolve KPI gaps improving reporting speed by 20%.
- Created automated data-quality checks reducing error rates by 30%.

Projects

Well Scan – Automated Health Organ Checking (Quantitative Analyst — Machine Learning Engineer)

Nov 2025

- Developed an AI-driven health assessment system with 95% precision enabling 30% better preventive care.
- Integrated doctor booking and unified health workflows reducing wait times by 50% and boosting engagement by 40%.
- Enhanced diagnosis reliability via ML anomaly detection over scans, vitals, and medical records.
- Engineered cloud microservices ensuring 99.9% uptime and real-time analytics performance.

UPI Fraud Detection | Python, scikit-learn, Flask

Sept 2025

- Prepared ML pipeline on 10K+ UPI transactions achieving 92% accuracy, 90% precision, 88% recall improving fraud detection by 28%.
- Engineered behavioral and temporal features improving anomaly detection robustness by 22%.
- Deployed Flask microservice reducing false positives by 15% and manual review by 35%.
- Added drift-monitoring improving model stability by 40%.

T20 World Cup Analytics | Python, Power BI

Feb 2025

- Analyzed 50K+ match/player statistics via automated pipelines improving processing efficiency by 45% and enabling 90% accurate predictions.
- Applied clustering to segment 150+ players improving insight quality by 35%.
- Pioneered interactive Power BI dashboards increasing data visibility by 50% and reducing manual analysis by 60%.

Technical Skills

Programming & Libraries: Python, SQL, R, Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Matplotlib, Seaborn, Statsmodels, Regex, Shell Scripting

Data Analytics & BI Tools: Power BI, Tableau, Excel, Google Sheets, Looker Studio, DAX, Data Modeling

Machine Learning & AI: Regression, Classification, Clustering, Feature Engineering, Deployment, A/B Testing, GenAI Foundations

Data Engineering & Databases: MySQL, PostgreSQL, MongoDB, ETL, Data Warehousing, API Integration, Git/GitHub

Cloud & DevOps: AWS, GCP, Azure Fundamentals, Docker, Flask, Streamlit

Developer Tools: VS Code, Jupyter, Colab, M365, Draw.io, Canva, Figma, GitHub Actions

Soft Skills: Analytical Investigation, Data Interpretation, Stakeholder Communication, Cross-Functional Collaboration, Project Prioritization, Workflow Optimization.

Certifications ([Link](#))

Achieved certifications in Introduction to Generative AI (Simplilearn), Tata Group Data Analytics Job Simulation (Forage), Power BI Workshop (Office Master), and Fundamentals of Digital Marketing (Google Digital Garage), demonstrating strong competency across Generative AI, analytics, BI reporting, and digital marketing fundamentals.