Sarthak Goyal

Agra, India

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Professional Summary

Analytical Data Analyst with strong technical and mathematical skills, experienced in data visualization, statistical analysis, and predictive modeling. Proficient in Python, SQL, and Excel for automated solutions and actuarial-style forecasting models. Skilled in AI/GenAI for reporting, reserving, and risk analysis workflows. Seeking to leverage consulting and analytical skills in insurance and financial risk projects.

Education

Vellore Institute of Technology (VIT) Bhopal   Oct 2022 – Present
B.Tech in CSE (E-commerce Tech)   Bhopal, India
C.V. International School   Apr 2021 – Mar 2022
Class 12 (CBSE) – 77.8%   Agra, India
St. John's School   Apr 2019 – Mar 2020
Class 10 (CBSE) – 93%   Firozabad, India

Technical Skills

- **Languages:** Python, Java, SQL
- **Data Tools:** Excel, Power BI, SQL, Google Analytics
- **Libraries:** Pandas, NumPy, Matplotlib, scikit-learn (forecasting, reserving, risk analysis)
- **Dev Tools:** Git, GitHub, Visual Studio, Power Query
- **AI/GenAI:** ChatGPT, Juluis AI, Quadratic AI

Experience

BKG Overseas   Jun 2025 – Jul 2025
Data Analyst Intern   Remote
- Analyzed 10K+ records and developed dashboards, improving business decision-making efficiency and reporting accuracy by 30%.
- Streamlined reporting processes using AI/GenAI, reducing manual effort by 40% and enhancing client deliverables for risk and performance insights.
- Applied predictive modeling to improve forecast accuracy by 25%, supporting financial planning and capital strategy.
- Delivered actionable insights 20% faster by integrating analytics, aligning with consulting-style client outcome improvements.

Tata Group Data Analytics Job Simulation (Forage)   Sep 2025
Participant – Tata iQ Financial Services Team
- Completed AI-powered data analytics and strategy simulation for Tata iQ.
- Conducted exploratory data analysis (EDA) with GenAI tools to assess data quality and identify risk indicators.
- Proposed a no-code predictive modeling framework for customer delinquency risk using GenAI.
- Designed an AI-driven collections strategy leveraging agentic AI, automation, and ethical/regulatory compliance.

Projects

Bank Loan Dashboard — Excel, Power Query   Jan 2025
- Created loan analytics dashboard with 25+ attributes, reducing reporting time by 30% and enhancing financial risk assessment.
- Built advanced Excel models for 5,000+ applications, improving credit risk evaluation accuracy—aligned with actuarial reserving methods.
- Designed interactive filtering by loan status, geography, and demographics for decision support in capital management scenarios.
- Implemented data validation and error reduction techniques, increasing data reliability by 45%.

T20 World Cup Analytics — Python, Power BI   Feb 2025
- Scraped 50K+ stats and built predictive models (90% accuracy), ensuring complete data for risk-style analysis.
- Developed performance metrics across 200+ matches and applied statistical techniques similar to insurance exposure analysis.
- Implemented clustering algorithms to group players by roles, showcasing classification methods useful in insurance portfolio segmentation.

Certifications

- Google Digital Garage – Fundamentals of Digital Marketing (Jul 2023)
- PowerBI Workshop – OfficeMaster (Aug 2025)

Leadership

Cyber Warrior Club – VIT Bhopal (Co-Lead)   Aug 2024 – Aug 2025
Planned and executed 3+ technical events; boosted feedback ratings to 4.8/5 while fostering teamwork and collaboration.