SUDHANSHU PANDEY

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Strategic and impact-driven analytics professional with **1+ years** of hands-on experience translating complex data into clear business value. Armed with a **B.Tech from NIT Bhopal** and currently pursuing an **MS in Computer Science (Artificial Intelligence and Machine Learning) .** I specialize in uncovering actionable insights using **Python, SQL, Power BI, and Excel** to solve real-world business problems.

TECHNICAL SKILLS

- ★ Power BI
- ★ SQL
- ★ Machine Learning
- ★ Business Analytics
- ★ Power Query
- ★ Google BigQuery
- ★ Advanced Excel
- ★ Data Visualization
- ★ Data Cleaning
- ★ Pandas
- ★ DAX
- ★ Natural Language Processing
- ★ Numpy
- ★ Python
- ★ MS Office Suite
- ★ Statistical Analysis
- ★ Data Modeling
- ★ A/B Testing
- ★ Tableau
- ★ Data Storytelling
- ★ Product Analytics

WORK EXPERIENCE

Aakash Institute, Noida : 04/2021 – Present
Data Analyst – Internal Strategy Project:

Key Responsibilities & Initiatives:
- Developed and deployed a **Streamlit**-based student churn prediction engine using Python (pandas, scikit-learn), achieving **71% accuracy via Logistic Regression** on academic, behavioral & sentiment data — **simulated retention of 1,457 students**, saving **₹72.85 Lakhs in potential revenue** for the coaching institute.**| Link**
- Developed and deployed an NLP-based review scoring engine that transformed 200,000+ student feedback texts into continuous 0–10 ratings using TF-IDF and Word2Vec models; achieved **42.6% accuracy within ±1 point**, enabling automated extraction of high-rated testimonials and delivering a **simulated ₹29 Lakh precision-adjusted revenue uplift** through marketing optimization. **Link**

Statistics and Mathematics Educator:

- Taught JEE-level **Mathematics and Statistics**, including probability, distributions, calculus, and linear algebra — the core foundations of **data science and machine learning**
- Used **Excel and Power BI** to create performance dashboards for students, enabling data-driven academic insights and fostering analytical thinking

Tools used: SQL, Advanced Excel, Pandas, NLP, Machine Learning, VLOOKUP, Pivot Table, Hypothesis Testing

VIRTUAL INTERNSHIPS & PROJECTS

Data Scientist | BCGx (Virtual Internship from Forage) | Link
- Built a **full-stack blinkit analytics** solution using **SQL**, **Power BI**, **Excel, Python**, and **Streamlit**, targeting a **15% revenue growth goal**
- Analyzed **KPIs (AOV, CAC, ROAS, Return Rate, Profit Margin)** and validated insights through **RFM, Cohort Analysis, and statistical tests (T-test, ANOVA, Chi-square)**
- Simulated **9+ business strategies** (e.g., **AOV uplift, loyalty conversion, funnel improvement**) and achieved a **15.03% projected annual revenue increase**

Certifications

- **Google Data Analytics Professional Certificate**
- **HackerRank – SQL Advanced Certification**
- **Microsoft - Generative AI Foundations**
- **Tata Virtual Internship**

EDUCATION

- **Master of Science in Computer Science: Artificial Intelligence and Machine Learning.**
  12/2024 – 12/2026
  Woolf University
- **Bachelor of Technology in Material Science and Metallurgical Engineering**
  NIT Bhopal
  06/2016-06/2020