Siddhartha Sen

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PROFILE SUMMARY

Data Analyst with hands-on experience in SQL, Python, Power BI, and statistical analysis. Worked on dashboards, data preparation pipelines, sentiment analysis, and network analysis research.

EXPERIENCE

Advanced Analytics Intern, PharmaQuant Insights Pvt. Ltd. — May 2025 - June 2025
- Prepared and analyzed healthcare datasets using Excel and R for reporting.
- Built Power BI dashboards to track key HEOR metrics.

Intern at Institute for Advancing Intelligence, TCG Crest — July 2025 - Present
- Applied network centrality metrics to identify influential nodes in social networks.
- Designed heuristic algorithms (ROAM, DICE) for detection.

Data Science Intern, Onlei Technologies Noida Pvt. Ltd. — May 2023 - Oct 2023
- Built sentiment analysis pipeline using NLTK for text classification.
- Preprocessed text data (tokenization, lemmatization) for internal demos.

TECHNICAL SKILLS

Languages & Tools	Python, R, SQL, Excel, Power BI
Libraries	pandas, numpy, scikit-learn, statsmodels, NLTK, matplotlib, seaborn
Analytics	EDA, Data Visualization, Statistical Testing, Regression, Classification, ML

EDUCATION

2024 - 2026	M.Sc. (Data Science) at **St. Xavier's College (Autonomous), Kolkata** (CGPA 7.615 till sem 2)
2020 - 2022	M.Sc. (Physics) at **St. Xavier's College (Autonomous), Kolkata** (Percentage : 84.2)
2017-2020	B.Sc. (Physics) at **St. Xavier's College (Autonomous), Kolkata** (Percentage : 73.28)
2017	Class 12th ISC Board (Percentage : 95.5 with 100 in Mathematics)

MAJOR PROJECTS

Hiding the Exposure of mastermind after Identification in Social Networks
- Formulated influencer detection and hiding as a network optimization problem and evaluated centrality-based strategies for high-impact node selection.

Meta-Analysis of different treatments for platinum resistant ovarian cancer (PROC)
- Conducted statistical meta-analysis in R across 7 clinical trials using metagen, metaprop.
- Visualized heterogeneity using forest plots; observed 84% baseline heterogeneity.

ACHIEVEMENTS AND OTHER ACTIVITIES

- **Winner – PowerQuest Hackathon 2025 (HEOR Statistics)**, PharmaQuant Insights Pvt.Ltd.
- Completed and obtained badge for "Unleashing the Power of AI Agents" on IBM SkillsBuild.