# SIDDHARTHA SEN
## ASPIRING DATA SCIENTIST

Kolkata, India | +919830717299 | sid110598@gmail.com | https://www.linkedin.com/in/siddhartha-sen/

## ABOUT ME

Enthusiastic about utilizing data-driven insights to solve real-world challenges. Looking for a Data Scientist/Data Analyst role based on my gained skills, industry experience and problem-solving skills in data science, statistical analysis and ML to help develop inferences in making data driven decisions.

## TECHNICAL SKILLS

- Predictive Analytics
- Data Visualization
- DBMS Handling
- Computer Vision
- Data Structures & Algorithm
- Statistical Analysis
- Hypothesis Testing
- Machine Learning
- Data Interpretation & Storytelling
- Time Series Analysis & Forecasting
- Natural Language Processing
- Big Data Analytics

## EXPERIENCES

**PharmaQuant Insights Pvt. Ltd. (Advanced Analytics Intern)**
- Exposure to Survival Analysis and censored data. Understanding Efficacy endpoints like OS, PFS, ORR.
- Performed Meta-Analysis of different treatments for platinum resistant ovarian cancer (PROC) based on seven different clinical trials.

**TCG Crest (Intern at Institute for Advancing Intelligence)**
- Use of centrality measures of graph theory to detect influential individuals in a social network.
- Developing some scalable heuristic algorithms like ROAM, DICE to hide the influential individuals by modifying the centrality measures of some nodes.
- Use cases in security & privacy purposes.

## PROJECTS

**Development of a face mask detection system using OpenCV**
- Designed the frontend interface for the web application with streamlit python package.
- Used a pre-trained Haar Cascade Classifier for detecting faces from images, videos.
- Used a CNN algorithm built by Teachable Machine to train data & generate a model to detect masks.

**Analysis of text reviews of customers using Natural Language Processing (NLP)**
- Analysed text reviews entered by customers & categorised them as positive, negative or neutral.
- Used google API, google sheets to collect data, vaderSentiment python package for sentiment analysis, plotly for visualization & streamlit for designing the frontend interface for the web application.

## EDUCATION

**M.Sc. Data Science**
**July 2024 - July 2026**
St. Xavier's College (Autonomous), Kolkata
Pursuing with CGPA 7.615 (till sem 2)

**M.Sc. Physics**
**July 2020 - July 2022**
St. Xavier's College (Autonomous), Kolkata
Percentage : 84.2

**B.Sc. Physics**
**July 2017 - July 2020**
St. Xavier's College (Autonomous), Kolkata
Percentage : 73.28

**ISC**
**2017**
St. Xavier's Institution, Panihati
Percentage : 95.5 (with 100 in Mathematics)

## ADDITIONAL INFORMATION

**Tools and Languages:** R, Python, SQL, Excel, Power BI.

**Awards:** Winner of the PowerQuest Hackathon 2025 for HEOR Statistics organized by PharmaQuant, a leading healthcare consulting firm.

**Other Internships:** Completed a 6 months internship (2023) in Data Science at Onlei Technologies, Noida Pvt. Ltd. Also completed an internship in Big Data Analytics at NIELIT (Kolkata).