

Sagar Singh

South-Goa
Goa, India

+91 8280546928

sagar.singh.goa@gmail.com

in www.linkedin.com/in/sagar-data

github.com/Sagar-11



About Me

I am currently working as a Data Engineer/Scientist, where my primary responsibility is to assist my team in building models that describe and predict patterns in our data. Additionally, I contribute to writing code that can scale and execute these analyses on distributed computing systems, such as Azure Databricks or Spark. Prior to this role, I was pursuing an Integrated M.Sc. in Mathematics at NISER.

Work Experience

- Dec 2022 - **Data Engineer**, vCreaTek Consulting Services Pvt Ltd, Pune, India.
Present Worked with Kenvue, Customer Value Delivery team as an external consultant for their data science projects.
- Dec 2022 - **External Consultant**, Kenvue, New Jersey, US.(Remote)
Present Create end-to end data science solutions for our retail customer teams, like Walmart and CVS, to help take them strategic decisions that are win win for both, our customers and Kenvue.

Projects

Time Series Analysis Model and Forecast sales for over 3000 Kenvue products. Built an end to end solution starting from data extraction to visualisation and pipeline automation in Azure data factory.

POC Planogram Optimisation Develop a heuristic based POC solution for planogram optimisation to maximise revenue given constraints on shelf space.

KROGER Marketing And Planogram Optimisation Model customer behaviour using Point Of Sales Data From Kroger. Classify lapsing customers and develop ML models for targeted marketing campaigns. Implement a quick POC for planogram optimisation based on LP.

- Nov 2021 - **Individual Contractor**, Numerade Labs, Inc., Remote
Mar 2022 Made video solutions for statistics and mathematics problems.

Education

- Aug 2016 - **Integrated M.Sc. (Maths, Minor - C.S)**, National Institute For Science Education And Research, Bhubaneswar, India, CGPA: 6.18/10.00
Jul 2022
MSc. Thesis Sample complexities Of specific functions With privacy.

Projects

- Jan - May '20 **FPT Algorithms** Under Dr. Sushmita Gupta, NISER. Researched common tools and techniques for fixed parameter tractable algorithms.

Aug - Nov '19 **Private Simultaneous Messages** Under Dr. Manoj Mishra, NISER. Explored ways to improve the best-known lower bound for a combinatorial problem in multi-party computation.

Publications

S. Gupta, P. Jain, A. Petety, and S. Singh. Parameterized complexity of d-hitting set with quotas. In *SOFSEM 2021: Theory and Practice of Computer Science*, pages 293–307, Cham, 2021. Springer International Publishing.

Research Interests

Distributed Systems, Information Theory, Machine Learning

Technical Skills

Data Tools	Databricks, SQL, Azure Cloud, Data Factory
Data Science	Time Series Analysis, ML theory, Optimisation
Programming	Python : PySpark, Numpy, Pandas, Darts(Time Series), PuLP(MILP)
Math and CS	Linear Algebra, Statistics, Information theory, Analysis

Certifications

	Gate'21 AIR 842 (Maths)
Microsoft	Azure Fundamentals AZ-900, Azure Data Fundamentals DP-900, Azure AI Fundamentals AI-900

Hobbies

Football, Chess, Reading and Adventure