

SUBHAMOY BHADURI

Lead Data and Operations Research Scientist

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EDUCATION

M.Tech (Data Science & Engineering)

Birla Institute of Technology and Science
11/2022 - 11/2024, WILP

B.Tech (Information Technology)

West Bengal University of Technology
08/2007 - 05/2011, Kolkata

SKILLS

- Machine Learning
- Deep Learning
- Operations Research
- NLP
- LLM
- SQL
- PySpark
- Python
- MILP
- Forecasting
- Reinforcement Learning
- Probability
- Statistical Inference
- Gurobi
- Agentic AI
- Power BI

CERTIFICATIONS & PUBLICATIONS

subhamoybhaduri.in

SUMMARY

- Lead Data and Operations Research Scientist delivering advanced analytics, optimization, machine learning and Agentic AI solutions across multiple organizations and industries.
- Seasoned problem solver with 15+ years of experience, currently a Program Manager at Capgemini.
- Proven ability to design and scale decision-science models for optimization in logistics and demand forecasting.
- Leading teams and engaging with stakeholders to convert complex insights into sustained business value.

EXPERIENCE

Program Manager

Capgemini India | 05/2026 - Present, Kolkata, India

- Working on operations research use cases in logistics for route and network optimization.
- Leading an Agentic AI based initiative for autonomous systems.

Manager

Ernst & Young LLP | 02/2021 - 05/2026, Kolkata, India

- Led the successful implementation of 4 projects involving mathematical optimization in logistics using Gurobi solver achieving 12% reduction in logistics cost.
- Developed an agentic AI-based solution to automate sensitivity analysis significantly improving analytical efficiency.
- Managed end-to-end delivery of demand forecasting projects across different countries for a global CPG major with a 15% improvement in forecast accuracy optimizing the demand planning.
- Spearheaded the build of a product accelerating demand forecasting across different granularity starting from ETL pipeline to model output and explainability.
- Led the complete delivery of an advanced analytics-based prediction model integrated with an MILP-based solution to predict daily truck requirements, identify shipment consolidation opportunities.
- Managed the design and implementation of a MILP-based framework to align customer order patterns with shipment policies to reduce logistics costs and find out opportunities of shipment centralization.

Data Scientist

Cognizant Technology Solutions India Pvt. Ltd | 07/2011 - 01/2021, Kolkata, India

- Developed a statistical modeling and visualization application that reduced analysis time by 10% and improved data-driven business insights.
- Built an application for customer segmentation and NLP-based techniques to understand pain areas in customer relationships.
- Created a model to analyze customer attrition and retain them through targeted business decisions.
- Served in a client-facing, onsite role in Canada and the USA as Senior Software Developer (Feb 2017–Sep 2020) bridging business stakeholders and offshore team to ensure successful delivery.