SEMANTO GHOSH

Gen AI Data Scientist | Senior Data Analyst

Kolkata, India|+91 8617464662| ghoshsemanto08@gmail.com | **LinkedIn** | **GitHub**

PROFILE

Generative AI Data Scientist with proven experience guiding cross-functional team, driving innovative solutions in RAG-based knowledge systems, chatbots, machine learning, computer vision & web scraping. Expert in IT Asset Management (ITAM), Software Asset Management (SAM), and Hardware Asset Management (HAM) using Snow Software & Flexera. Skilled in process optimization through strategic analysis and collaborative execution, known for transforming complex data into actionable insights that drive innovation.

EXPERIENCE

COGNIZANT I KOLKATA   *June 2025 – Present*

Associate, Gen AI Specialist

DIGITAL SHERPA I KOLKATA   *Aug 2022 – May 2025*

Senior Data Analyst, Lead IT Asset Management Specialist

- Managed and led a team of 8 professionals at an organization recognized as a leader in the IT Asset Management (ITAM) industry
- Optimized and organized hardware inventory, managing their lifecycle, specifications, and associated data.
- Optimized software and SaaS applications inventory, ensuring lifecycle management, policy support, and compliance with industry standards.
- Managed customer tickets to ensure timely resolution and high customer satisfaction, prioritizing issues and providing effective solutions.
- Implemented weekly progress reports to enhance communication between senior management and the team, driving alignment, productivity, and clear decision-making.

Data Analyst, Lead Software Asset Management Specialist

- Led a team of SAM analysts, ensuring effective software asset management and compliance for clients.
- Automated data reconciliation for a large database, including SaaS applications, and provided intelligence on license requirements.
- Streamlined procedures to improve team efficiency, client satisfaction, and proactive problem-solving for risk mitigation.

Project Coordinator, Data Annotation Team

- Managed and supervised a team of data annotators, ensuring timely project completion and client satisfaction.
- Developed efficient workflows and quality control processes, enhancing team productivity and accuracy in data annotation tasks.

Generative AI Developer

- Developed a chatbot facilitating document uploads (Word, PDF, text) and retrieving answers from a knowledge base.
- Applied NLP and machine learning techniques to optimize user interaction and information retrieval efficiency.

Data Scraping and Automation Specialist

- Utilized computer vision to extract data from physical photo identification images for streamlined digital processing.
- Scraped resumes and automated data summarization and structuring for the "RECA" feature in Digital Sherpa HR Tech.
- Automated LinkedIn processes with Python, sending personalized messages to individuals sourced from Excel data

INTERNSHIP

Accenture (North America) | Data Analytics Virtual Experience   *June 2022 - July 2022*

Data Analytics Virtual Experience

- Participated in Accenture's Data Analytics Virtual Experience Program (Forage), gaining skills in data cleaning, modeling, visualization, and storytelling.

GLOBSYN TECHNOLOGIES *March 2022 - June 2022*

Machine Learning with Python Trainee
- Acquired hands-on experience in machine learning techniques and Python programming, focusing on data analysis and model development.

LETS GROW MORE *April 2022 - May 2022*

Data Science Intern
- Enhanced data science skills through hands-on project work in data analysis, modeling, and interpretation.
  GitHub: Lets Grow More Projects

THE SPARKS FOUNDATION *March 2022 - April 2022*

Data Analyst Intern
- Completed three projects in data analysis, visualization, and interpretation, focusing on data science and business analytics.
  GitHub: The Sparks Foundation Projects

EDUCATION

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY (WBUT) *2020 – 2022*

Master of Data Science

UNIVERSITY OF CALCUTTA *2017 – 2020*

Bachelor of Science Mathematics

SKILLS

Technical Skills: Programming (Python, R), Database (MySQL), Analytical Tools (Power BI, Excel), Machine Learning, Generative AI, NLP, Computer Vision, Scraping.

Professional Skills: IT Asset Management (Snow Software, Flexera), Project Management, Leadership.

PROJECT

BRAND SENTIMENT ANALYSIS

- The project focuses on improving car performance in the automobile industry through brand sentiment analysis. Using machine learning classification techniques, the project leverages Python and ParseHub to scrape data from www.cardekho.com. The gathered data is then analyzed to provide insights into brand sentiment, helping identify areas for performance improvement in cars.
- **Journal Publication**: IRJMETS - Brand Sentiment Analysis
- **GitHub**: Brand Sentiment Analysis Project

COURSES

- **Stanford University** Machine Learning Specialization
- **Amazon Web Services** Generative AI with Large Language Models
- **Ineuron** Full Stack Data Analytics
- **Simplilearn** Data Science with Python
- **Upgrad** Introduction to Data Analysis using Excel

ACHIEVEMENTS

SHERPA OF THE MONTH *April 2024*

Awarded Employee of the Month at Digital Sherpa for contributions to the company.

LANGUAGES

- English
- Bengali
- Hindi