Trina Sahoo

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Summary

Holding an academic foundation in data science and statistics, coupled with 3+ years in AI/ML, I specialize in deep learning frameworks, cloud platforms, and advanced solutions such as ChatGPT integration, predictive modeling, and multilingual sentiment analysis.

Areas of Interest

Deep Learning   Machine Learning   NLP   LLM   Artificial Intelligence

Experience

Data Scientist, *Farport Software S.r.l.*   *October 2021 – Present*

- **ChatGPT Integration:** Integrated **ChatGPT** into **Slack** and **WhatsApp**, enabling advanced document-handling solutions and seamless team communication using proprietary **OpenAI Platform**.
- **Predictive Modeling for Petroleum Tank:** Directed a prominent Q8 project, developing and deploying an **LSTM-based predictive model** to **optimize petroleum tank capacity** through temporal data analysis and feature engineering, **enhancing supply chain** efficiency to various sales points.
- **Multilingual Sentiment Analysis:** Conducted Sentiment analysis across multiple languages, used for analyzing the emotion behind the customer feedback for Feedaty; improved client satisfaction.
- Proficient in **Google cloud platform**, **Cloudera**, **vertex AI** and **AutoML**, pursuing Google Certification **Professional Machine Learning Engineering** exam to enhance AI expertise.

Project Associate, *IIT Madras*   *January 2019 – March 2019*

- Explored emerging business models, primarily, "Fork-to-Farm" business model; helped retailers to adopt alternative supply chain management practices to market fruits and vegetables.

Subject Matter Expert (Statistics), *SPI Global Pvt. Ltd.*   *May 2018 – August 2018*

- Solved multiple challenging theoretical and mathematical statistical problems

Intern, Data Analytics, *Ministry of Finance (Paschim Banga Society for Skill Development)*   *May 2017 – July 2017*

- Key features analyzed for financial data using MS Excel for useful insights.

Education

Sapienza University of Rome, Master's in Data Science   *May 2024*
University of Madras, Master's in Statistics   *June 2018*
University of Calcutta, B.Sc.(H) in Statistics   *June 2016*

Projects

Master's Thesis : An evaluation of example rejection for defending against adversarial attacks.
Technical report : Comparative analysis of two $1 \times j$ contingency table under Bayesian perspective.

Technologies

Languages: Python, R, C, SQL, NoSQL
Software: SAS, PowerBI, Latex, Protègè, Eddy, SPSS, Minitab
AWS: SageMaker, RedShift, S3, Lambda
GCP: Vertex AI, AutoML, Data Studio, Cloudera

Language skills

Bengali (Native - C2)   **English** (Advanced - C1)   **Hindi** (Intermediate - B1)   **Italian** (Beginner - A1)

Awards/Certifications

AWS Academy: AWS Academy Graduate - AWS Academy Cloud Foundation.
RISIS: Advanced Benchmarking Models and Technique.
Coursera: Interpretable Machine Learning Applications.
Madras School of Economics: Certificate program on Machine learning and Artificial intelligence.
Winner of **Brainware** for aptitude test.