

Ashis Kumar Parida

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EDUCATION

National Institute of Technology Rourkela

Bachelor of Technology in Biomedical Engineering

CGPA - 8.64/10;

Odisha

Aug. 2019 – June 2023

DM School

All India Senior School Certificate Examination

Percentage - 85%

Bhubaneswar, Odisha

2016 – 2018

EXPERIENCE

Software Engineer - I (Data Engineer & AI/ML)

July 2023 – Now

Eli Lilly & Company

Bengaluru

- Worked on **analyzing** and **modeling complex molecular data** using advanced AI models such as **XGBoost**, **CatBoost**, and **MLP** for **Structure to Property prediction** use cases. Achieved **>90% accuracy** and significantly improved the pipeline used by **lab scientists** for **drug screening and selection**, leading to reduced **time** and **cost** in the discovery process.
- Worked as a **Data Engineer** on research data pipelines at **Lilly**, developing **Airflow DAGs**, integrating **Jenkins** for orchestration, and building **Dynamic Web APIs** to enable seamless **data flow** from diverse sources into the **Research Data Lake**. Developed pipelines to deliver curated data to applications like **LiveDesign**, and built APIs to support **Data Scientists** in **molecule experimentation** and **analysis**.
- Developed and deployed an **R-Shiny web application** for **Lilly** to visualize and analyze **lab-related data**, including **instrument-level metrics**, **storage capacity tracking** of different servers over time, and analysis of **space and memory utilization**. The backend handled complex calculations to facilitate the **optimization of lab device usage** for scientists.

RESEARCH PUBLICATION

Analyzing the Discourse on Open Educational Resources on Twitter: A Sentiment Analysis Approach, Springer Nature, Feb 10, 2025.

TECHNICAL SKILLS

Languages: Python, SQL, R

Developer Tools: Git, Airflow, AWS DMS, Jenkins

Libraries: Tensorflow, PyTorch, Keras, Pandas, NumPy, Matplotlib, R-Shiny, huggingface

PROJECTS / HACKATHON ACHIEVEMENTS

Football Data Science Hackathon by Sevilla FC | *Global Winner* | 2022

- Hackathon based on using **player statistics** recorded by **scouts** for recruitment purposes to **predict ratings**. The **main challenge** was to deal with a **huge amount of features**.

Machine Learning Hackathon by Doceree | *Winner* | 2023

- The hackathon presented us with an intriguing real-world problem – analyzing vast amounts of **ad server logs** to **predict** whether a person was a **HCP** and, if so, **determining the type** of HCP (Healthcare Professional).

Excellence Quotient '22 by EXL | *National Runner Up* | 2022

- This was related to **Term Deposit prediction**. Using ML techniques (specifically **Blending Models**), we identified the **factors contributing** the most to the **Term Deposit account opening**.

CCIC 4.0 by Citi Bank | *Second Runner Up* | 2023

- The hackathon had three rounds, including building a **handwritten word recognition solution** and presenting it to CITI Bank panellists.

BEYOND WORK

- Passionate about Movies and table tennis
- Organized various events (Fun and Technical) for my Team at Lilly
- Was Actively Participating in events revolving around sketching, quizzes, and ideation challenges at Lilly