

ABHIPSA NAIK

abhipsanaik@gmail.com | +91 9337246067 | LinkedIn

EDUCATION

Indian Institute of Technology Guwahati | Assam, India. Jul'21-May'23.
Master of Technology in Chemical Engineering.

Coursework: Computer Aided Numerical Methods, Foundations of Data Science for Engineers, Scientific Communications.

National Institute of Technology Rourkela | Odisha, India. Jul'14-May'18.
Bachelor of Technology in Chemical Engineering.

Coursework: Python training for scientific computing, The complete SQL bootcamp, Optimization methods in Engineering.

PROFESSIONAL EXPERIENCE

Topsoe | Process Engineer | New Delhi. Jul'23 – Present.

- Successfully managed and contributed to the design and development of 10 projects, collectively valued at over \$1 million.
- Improved the accuracy of client, property, and utility account information by eliminating rigorous manual data loading procedures, achieving a 98% accuracy rate.
- Coordinated internal resources and suppliers to ensure seamless project execution, that resulted a 20% reduction in project timelines and increased productivity.

Indian Institute of Technology Guwahati | Research Assistant | Assam. Jun'21-Jan'22.

- Conducted primary research, leading to the creation of innovative and efficient solutions in the field of Waste Management.
- Helped in reducing 30% of the associated cost for managing solid waste generation for the study area of Guwahati via providing alternative of source segregation.
- Maintained detailed records of design iterations and testing outcomes, enhancing project progress tracking and overall efficiency.

Pradan | Development Apprentice | Kolkata, India. Aug'18 – Mar'19.

- Successfully identified and defined key stakeholder requirements, leading to the implementation of Government scheme MGNREGA that improved operational efficiency by 20%.
- Developed high quality training and demo materials which helped in improving the understanding of people's engagement at grassroot level.
- A watershed management project that introduced sustainable farming techniques to 300 farmers, resulting in a 20% increase in crop yields.

KEY ACCOMPLISHMENTS

- Recipient of the prestigious Top-Class Scholarship by MHRD for showcasing academic excellence by securing top 10% in the batch of 5000 students. (2014-2018)
- Helped the team win championship by securing 5 medals at the Spardha IITG Sports Meet and 2 medals at the INTER-NIT Sports Meet. (2014-2022)
- Awardee of the Topsoe Spirit Award showcasing team building and collaboration to foster team synergy. (2024)

SKILLS SUMMARY

- **Data Visualization-** Microsoft Power BI, Excel (Pivot tables, Pivot Charts, Power Query (M) and Power Pivot data modeling), Looker, Google Data Studio.
- Data Warehousing and BI Processes: Experience with established warehousing methodologies/designs and emerging BI processes such as ETL, ELT, and data modeling.
- BI Ecosystems: Experience with commercial and emerging BI ecosystems, including SQL Server, PostgreSQL.

PUBLICATION AND PERSONAL PROJECTS

- Publication: Published "Characterization of municipal solid waste generation and seasonal classification for various socio-demographic groups in Guwahati city" by implementing statistical analysis to identify dominant waste constituents and their correlations with population, household characteristics and income level. [Link](#)
- Research: Forecasted municipal solid waste generation based on demographic and socio-economic variables, Gradient Boost algorithm outperformed Decision Tree and Random Forest with an accuracy of 90%. [Link](#)
- Diversity and Inclusion analysis: Analyzed metrics such as hiring, promotions, performance ratings, and age group on gender basis for each department, region, and job level using Power BI dashboard for insights on improving gender balance. [Link](#)
- Global debt analysis using SQL: Analyzed World Bank International debt data encompassing 124 countries and 25 debt indicators using SQL. Extracted insights into total debt, countries with the highest debt, and average debt across various indicators for policy making. [Link](#)

CERTIFICATIONS

- Python Training for Scientific Computing and Data Science [Certification](#)
- Data Science and machine Learning organized by Consulting & Analytics Club [Certification](#)
- The Complete SQL Bootcamp [Certification](#)