

ARINDAM SAHA, Programmer Analyst

+91-8317349840 | arindam.as80@gmail.com | [LinkedIn](#) | [GitHub](#) | Kolkata, India

AREA OF INTEREST

I am passionate about leveraging advanced data science techniques and machine learning to develop and manage large-scale research datasets. My interest lies in supporting high-impact research through data analysis, visualization, and providing technical assistance to researchers. I am committed to enhancing data quality and facilitating meaningful insights in a collaborative research environment.

WORK EXPERIENCE

- **Cognizant Technology and Solutions India Private Limited**

Programmer Analyst

Jul 2022 – present

- **Project Specialist:** Spearheading data integration initiatives with Qlik Replicate, ensuring data integrity and quality through advanced ETL processes, including IBM Infosphere Replication Server (IRS), Qlik Replicate, and Airflow.
- **Data Management:** Expertly clean, harmonize, and de-identify datasets using SQL and Python, preparing them for in-depth research and analysis.
- **Leadership and Collaboration:** Orchestrate regular team meetings to monitor project milestones, resolve challenges, and promote cross-functional collaboration.
- **Process Optimization and Documentation:** Developed detailed documentation and Standard Operating Procedures (SOPs) that simplified complex tasks (identification of issues and steps to solve), enhancing team efficiency by 30%.
- **Efficiency Improvements:** Crafted SQL queries that dramatically reduced process time by 80%, and automated repetitive tasks using shell scripting, minimizing manual efforts by 90%.
- **Data Analysis and QA:** Conducted meticulous analyses to rectify data discrepancies, ensuring accuracy and reliability in datasets with Python and SQL.
- **Automation and Upgrades:** Automated server installation and upgrades via Ansible scripting, streamlining the deployment of new software releases. Automated the Shell scripting process to address recurring issues, reducing the need for manual intervention by 90%.
- **Quality Assurance:** Performed comprehensive validation checks on datasets, collaborating with research teams to ensure precision and adherence to quality standards.

- **ABS Clinical Solutions**

Consultant Scientific Writer (Part-time)

Jul 2022 – present

- Helping customers to prepare clear, concise, and high-quality of reports and documents for regulatory submissions, and publications in international peer-reviewed medical journals.

- **Micro Labs Limited, Bangalore, India**

Industrial Trainee

Oct 2019 – Nov 2019

- Gained comprehensive training in the manufacturing and packaging processes for tablets, capsules, and topicals, with additional expertise in Environmental Health & Safety, Quality Control, and Engineering.

SKILLS

- **Programming Skills:** Python, R, SQL, MySQL
- **BI tools:** Power BI, Tableau, Qlik Replicate, KNIME, Qlik Sense
- **Relevant Courses:** Machine Learning, EDA, Data Science, Data Analysis, Data Visualization, Model Building and Development, Data Extraction, Business Report, Statistical Analysis, Statistical Modeling, Data Structures, Data Imputation, Model Tuning, Regression Model, Classification Model, Decision Tree, KNN, Naïve Bayes, Random Forest, Bagging, Boosting, Neural Network Analysis, Inferential Statistics, Data Collection, Feature Engineering.

EDUCATION

- **University of Texas at Austin and Great Lakes Institute, India**

Post-Graduation Program (Data Science and Business Analytics)

Apr 2024 – present

cGPA: 3.94/4.5

- **National Institute of Pharmaceutical Education and Research (NIPER), S. A. S. Nagar, Mohali, India**

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M.S. Pharm (Medicinal Chemistry)

Nov 2020 - Jun 2022

cGPA: 9.92/10 (Placed among the top 5% of candidates)

- **Rajiv Gandhi University of Health Sciences, Karnataka, India**

Bachelor of Pharmacy (B. Pharm)

Aug 2016 – Nov 2020

Cumulative Percentile: 79.78

PROJECTS

- Austo Automobile Analysis: Exploratory Data Analysis
- OTT Media Service Provider: Linear Regression
- Hypothesis Testing: Inferential Statistics
- Hotel Booking Analysis: ML (Decision Tree, KNN, Naïve Bayes)
- Easy Visa: ML (Bagging, Boosting, Hyper Parameter Tuning, Ensemble)
- All Life Bank Market Penetration: Unsupervised Learning
- New Wheels Sales Analysis: SQL
- ABC Estate Wines: Time Series Forecasting
- Insurance Claim Analysis: Tableau
- Market Sales for Products Dashboard: Power BI

CERTIFICATIONS

- Completed online [course](#) in “**Fundamentals of Health Economics and Outcomes Research (HEOR)**”, offered by MarksMan Academy of Health Sciences Nov 2023
- Completed online [course](#) in “**The Art and Science of Searching in Systematic Reviews**”, offered by edX (founded by Harvard and MIT) Aug 2023
- [Certified](#) as “**Power BI Data Analyst Associate - PL-300**”, exam conducted by Microsoft Jan 2023
- Completed online [course](#) on “**Oracle 12c Database Administration**”, offered by Udemy Jun 2023
- Completed online [course](#) on “**Microsoft Power BI Desktop for Business Intelligence**”, offered by Maven Analytics in Udemy Sep 2022
- Completed online [course](#) on “**The Advance SQL Course**”, offered by Udemy, Sep 2022
- Completed online [course](#) on “**Python**”, offered by Centre for Continuing Education, IIT Madras Digital Skills Academy’s Programme, GUVI Nov 2021
- Completed online [course](#) on “**Excel for Beginners**”, offered by Great Learning Academy Oct 2021

SCHOLARSHIP, HONORS AND ACHIEVEMENTS

- Recipient of the **National Testing Agency (NTA)** PG scholarship for qualifying the all-India level Graduate Pharmaceutical Aptitude Test (GPAT – 2020) with **95.88 percentile score** all over India, among 50,000+ candidates.
- Qualified for the **National Institute of Pharmaceutical Education and Research Joint Entrance Exam (NIPER JEE – 2020)** with all India rank 595 among 10,000+ candidates.

LEADERSHIP EXPERIENCE

National Institute of Pharmaceutical Education and Research (NIPER), S. A. S. Nagar, Mohali, India

- Class Representative (2020 – 2022)
- Head of Alumni Association (2021 – 2022)
- Member of Mess Management Committee (Regulation / Quality control of food served at housing facilities)
- Member of Placement Cell Committee (2021 – 2022)

Acharya & B.M. Reddy College of Pharmacy, Bengaluru, India

- Volunteered for Swachh Bharat Abhiyan (Cleaning India Mission), a national-level campaign by the Government of India
- Industrial Visit Coordinator in Cipla, Goa (December 2019)
- Class Representative (2017 – 2018)