

# Rinky Abraham

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Seeking opportunities with companies that can leverage my 5 years experience of curating creative solutions to enhance system usage and experience that helped sign and extend software license for 3 years. Looking to employ Python, R, SQL and critical thinking skills in the data science methodology to provide effective data-driven solutions and improve business.

## SKILLS

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**Languages:** Java, Python, R, SAS Programming

**Databases:** Oracle, MySQL, Amazon RDS, SQLite, AWS Lambda, S3, Athena

**Frameworks:** R Shiny, tidyverse, ggplot, Numpy, Pandas, SeqIO, Quarto Markdown, Matplotlib, collections, dataclasses, datetime, statistics, itertools, urllib

**Tools:** R Studio, Spyder IDE, Jupyter Notebook, Eclipse, Git, Gitbash, JIRA, Docker

**Data formats:** Excel, MATLAB, SAS, Stata, HDF5, pickle

**Machine Learning Techniques:** Classification, Regression, Time Series, Clustering

## WORK EXPERIENCE

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**Technical Account Lead • Remote. Lexington, MA**

**Genedata • Full-time**

**04/2020 – Present**

- Led Data Curation for clients Takeda and Astrazeneca, involving meeting regularly to collect requirements, translating it to actionable tasks, curating legacy data via SQL and Linux scripts which generated significant revenue ~\$100,000 per project.
- Built and maintained software extensions using Java, Python and SQL skills to achieve seamless integration with client equipment, resulting in closing a large deal with a major customers like Moderna and Janssen.
- Independently managed multiple clients for software installation, took ownership and was the subject matter expert , ensuring reproducibility in activities among clients

**Research Trainee**

**National Institute of Technology, Bhopal, India • Part-time**

**12/2018 – 05/2019**

- Improved an existing ARM (Association Rule Mining) algorithm in Python by incorporating Fuzzy logic which is used to detect biomarkers of Leprosy. Observed an increase in accuracy by 5% after adding Fuzzy concepts to the algorithm

## PROJECTS

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**Data Analysis – NC State**

**12/2024 – 12/2024**

- Summarized Exploratory Data Analysis on Diabetes Health Indicators Dataset using Quarto Document and evaluated the best variables/indicators for analysis.
- Modeled the data on Classification and Random Forest Algorithms and evaluated results using ggplot2.
- Produced a docker with API end points to spit out predictions in a user-friendly manner.

**Data Visualization and Analysis using R shiny Dashboard – NC State**

**11/2024 – 11/2024**

- Coded R Shiny Dashboard that can filter data via Radio Button and Slider Input types, download data, summarize via contingency tables and visualize via ggplot2 module
- Evaluated PUMS (Public Use Microdata Sample) Census API data to analyze employment hours trends based on job characteristics and demographics.

## EDUCATION

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**Data Science Career Track in Data Science**

Springboard • Remote

**01/2025**

**Master of Science in Computer Science**

North Carolina State University

**01/2021 – 05/2025**

**Bachelor of Technology in Computer Engineering**

National Institute of Technology, Surat

**07/2015 – 05/2019**