

# Sanjaya J Shetty

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 [SanjayShetty01](#)

## Experience:

**R Shiny Developer - Consultant** | *EY India, Bangalore.*

*Jul 2024 – Present*

- Implemented credit risk models in R Shiny, enabling interactive and efficient risk assessment.
- Developed and optimized automated R scripts to enhance performance and maintainability.
- Dockerized applications for a consistent and scalable deployment process.
- Worked on integrating React with backend services to enhance user experience and functionality.

**R Shiny Developer** | *DataZymes, Bangalore.*

*Jan 2023 - Jun 2024*

- Developed and maintained R Shiny applications and plumber APIs for Pharma Analytics.
- Reduced backend processing time by 80% and memory usage by 40% in R Shiny application.
- Implemented **R Plumber APIs** to enable seamless integration across multiple Shiny applications, ensuring shared services usage.
- Implemented **Git/GitHub**, steering the team away from zip file workflows.
- Led the transition to a more efficient approach by integrating **Amazon Web Service** with React, Flask, and Shiny applications.
- Implemented coding standards, promoting modular code in R Shiny using **Shiny Modulus** and **Rhino Package**.

**Data Analyst** | *Cointab, Mumbai.*

*Aug 2022 - Dec 2022*

- Set up Business Logic for Automated Reconciliations using in-house Proprietary Software.
- Maintained and developed new logic tailored to client requirements.
- Presented clients with the setup and findings.

**Research Intern** | *Federation of Karnataka Chambers of Commerce and Industry, Bangalore.*

*Feb 2020 - May 2020*

- In this internship, I drafted economic reports on critical issues and events, including APMC and agricultural reform, COVID-19's socioeconomic effects, and the Karnataka state budget.

## Education:



**B.E in Chemical Engineering BMSCE, Bengaluru.**

**2016 - 2020**

## Technical Skills:

- R
- Python
- AWS
- SQL
- Git
- Linux
- DS/ML

## Personal Projects:

- 'RCognito: Simplified Interface for Amazon Cognito in R.'** 
  - Developed** an R package to streamline interaction with Amazon Cognito services, enabling seamless user authentication and management within R application.
  - Implemented** functions for user authentication, user pool management, and secure identity handling, enhancing the efficiency of user management processes.
  - Published** the package on GitHub and CRAN, ensuring accessibility to the R community, and integrated continuous integration testing to maintain code reliability.
- Predicting NIFTY-50 Opening price using Sentimental Analysis and Other Major Indices.** 
  - Utilized various Machine Learning and Neural Network algorithms to predict the Opening price of the NIFTY 50.
  - Selected the best model, subsequently deploying it in **AWS Lambda**. The model runs automatically through a cronjob set up in **EventBridge**.
  - The predictions generated by the deployed model are regularly updated and uploaded to a .csv file in an **AWS S3 Bucket**.

## Online Specialization/Course:

- Mastering Software Development with R Specialization -- *John Hopkins University Coursera.*
- Machine Learning Specialization -- *University of Washington Coursera.*

## Other Certification/Achievements:

- NISM Certified - Series XV - Research Analyst.
- Volunteered as a first-responder in the discoRd server, a Discord community for R programmers. In this role, I provided assistance to fellow R programmers in various #R-Help channels.