

Sanjaya J Shetty

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SanjayShetty01

Experience:

R Shiny Developer | DataZymes, Bangalore.

Jan 2023 - Present

- 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**.
- Designed a robust AWS infrastructure to facilitate seamless development and deployment.
- Biggest Achievement:** Introduced GitHub and GitHub Actions to the team, streamlining code management and automating deployment.

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.
- Biggest Achievement:** Assisted clients in reconciling more than ₹3 lakh.
- Key Takeaway:** Gained valuable insights into product development from a technological perspective.

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:

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|-------|--------------|-----|-----|-----|-------|-------|
| R | Python | AWS | SQL | Git | Linux | Scala |
| DS/ML | Econometrics | | | | | |

Personal Projects:

- 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**.
- 'NOAA_Earthquake_Analysier' Package in R.** 
 - Developed functions within the package to offer **visualization tools**, aiding in precise earthquake location identification.
 - Successfully deployed the R package on GitHub, passing both **R-CMD-Check** and **Travis CI Build** tests.
 - This project served as a crucial component of the capstone project within the 'Mastering Software Development with R Specialization'.

Online Specialization/Course:

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|--|---------------------------------------|
| Mastering Software Development with R Specialization | -- John Hopkins University Coursera. |
| Machine Learning Specialization | -- University of Washington Coursera. |
| Econometrics: Methods and Application (Course) | -- Erasmus University 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.