

# Sowjanya Bojja

## Data Scientist

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### CERTIFICATIONS:

Certified IBM full stack data scientist from Innomatics Research labs(one of the top growing Edu-Tech Company in Hyderabad)

Certificate of training in SQL,Tableau,Advanced Excel,ML and DL in Internshala Training.

### Education:

MSC in Data Science(Pursuing),  
Btech in Electronics and Communication Engg.

### EXPERIENCE

July 2022 - November 2022

Data Science Intern in Innomatics Research Labs | Hyderabad, India

Projects:

Quora Duplicate question detector (capstone project)

Tasks Developed :

application using Streamlit

Applied machine learning algorithms

Experiment Tracking and Model Management using MLFLOW

Different vectorization techniques including bert Workflow orchestration with Prefect

Natural Language Processing

Cloud Deployment Heroku

GitHub Projects:

1)NLP project using Streamlit for sentimental analysis on the IMDB Movie reviews tweets dataset,

here in this project I used vectorization technique like #bert to convert

### SKILLS

**Technical Skills:**

**Programming Languages:** Python, Java, C

**Web Development:** HTML, CSS, JavaScript, Bootstrap

**JavaScript Libraries & Frameworks:** Node.js, React.js

**Java Framework:** SpringBoot

**Microservices & Containers:** Docker

**Data Visualization:** Tableau, Excel

**Web Frameworks:** Flask, Streamlit

**Machine Learning & Deep Learning:** (ML, DL), NLP

NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, NLTK

**ML:** Data Exploration & Analysis, Data Modelling, Statistics and Probability, Linear Regression, Gradient Descent, Logistic Regression, Regularization, SVM, KNN, Decision Trees, Random Forest, Ensemble Techniques, Bagging & Boosting, Cross-Validation, Cluster Analysis, Tensorflow, SKlearn, Hyper parameter tuning, Experiment tracking

text data into numerical vectors

2) covid - 19 twitter sentiment analysis with streamlit application using python.

3) MLOps task-Diamond Dataset ML pipeline orchestration and experiment tracking

4) Experiment Tracking and Model Management for Diamond price prediction using MLFlow

5) streamlit app for Diamonds dataset EDA and ML Model

6) Machine learning project - Regression Problem Title: Concrete compressive strength

7) Python Flask CRUD Web Application project 8) Portfolio Application Project

9) Python Web Scraping Project with EDA

10) Open Pub Application using Streamlit python

Education Project:

IPL Data Analysis using SQL(Postgresql) and Data visualization using Excel.

Analysis of Fitbit fitness tracker data to deliver marketing and business solutions to WeFit and its subsidiaries

Tableau Project

Portfolio using React JS

Minor project:

Exam seating arrangement system using JAVA with GUI Swing.

Industry Experience:

Plsql Developer Tools: TOAD 7.6.0.11, PL/SQL Developer, Forms 6i, Reports 6i

Company TCS

Client Electronic Arts-India Location Bangalore, India (2010 to 2014) (Nov 2010 May2014)

Client Tata TeleServices Limited - India (2008 to 2010) Mar 2008-Oct 2010

and model management using MLflow. MLOPS,Workflow orchestration with Prefect 2.4

Cloud Deployment : Heroku  
GitHub

NLP: Tokenization, Bag of words, Stemming, Lemmatization, POS Tagging, TFIDF,BERT,word2vec,glove. Deeplearning:

Frameworks:

TensorFlow,Pytorch

Neural Network Architecture:

CNN,RNN,Long Short - Term Memory(LSTM)

Computer Vision:

Image Classification,Object Detection,Image Segmentation

NLP:

Sentiment Analysis,text Classification

Language Modeling:

Generative Adversarial Networks

Optimization Techniques:

Gradient Descent,Hyper parameter Tuning

Visualization:

Excel,Advanced Excel,Tableau,Matplotlib,Seaborn.

- \*\*GUI Development:\*\*  
Swing

- \*\*Other Technologies:\*\*  
Microservices Architecture

\*\*Tools:\*\*

- \*\*Version Control:\*\* Git



Date: 12th November, 2022

### Letter of Recommendation

#### To whomsoever, it may concern

With great pride and pleasure, we recommend **Sowjanya Bojja**, who successfully completed his internship in Data Science with Innomatics Research Labs, from July 15, 2022, to October 31, 2022.

Throughout the entire Internship tenure, she has successfully completed the various projects and assignments assigned in time.

Her dedication, determination & zeal to skillfully overcome challenges is striking and are essential traits for being a successful & well-rounded Data Scientist.

**Sowjanya Bojja** is highly deserving and has showcased the willingness to work hard, both efficiently and independently.

We recommend **Sowjanya Bojja** with utmost sincerity and believe that she will be a tremendous asset to your organization.

A handwritten signature in blue ink, appearing to read "Raghu Ram Aduri".

**Raghu Ram Aduri,**  
Program Manager,  
Innomatics Research Labs Pvt Ltd

Anaconda, Jupyter  
notebook/Colab, VS code,  
MYSQL, PostgreSQL, Toad, Inte  
llij IDE

#### \*\*Soft Skills:\*\*

- Problem Solving
- Team Collaboration
- Communication
- Time Management

**Recommendation:**  
LOR for DATA Science  
Internship.

#### LANGUAGES

English, Hindi, Telugu