

SOWJANYA DEGALA (DATA ANALYST)

50 Browning Street, LE3 0FP, Leicester | sowjanyadegala99@gmail.com | +44 7780230229

LinkedIn: www.linkedin.com/in/sowjanyadegala99 | GitHub: <https://github.com/Sowjanya69>

SUMMARY

Self-motivated, continuous learning mindset, and fast-paced environment international master's student in Data Analysis for Business Intelligence with a strong academic background, excellent numerical skills, and practical experience in data analysis and web development. Detail-oriented and able to lead complex projects with multiple stakeholders, I am committed to leveraging data visualizations and predictive modeling techniques to provide valuable business insights. Good knowledge of statistical methods, strong analytical and problem-solving skills, and troubleshooting skills. I am eager to apply my knowledge and logical thinking to tackle real-world challenges, and complex methodologies involving large-scale data analysis. Able to work independently as well as in a team. Ability to multitask and prioritize tasks effectively. Ability to communicate with the wider business at all levels.

WORK EXPERIENCE

Data Analyst, The Systems Thinking & Engineering Company Ltd- Internship (UK) Feb 2023-May 2023

- Used NLP techniques and scispaCy models in Python to clean and process large datasets.
- Worked on implementing data analysis models which led to a significant 5% increase in accuracy. Gained experience in project management, data handling, and documentation.
- Developed a Power BI dashboard to visualize and present data analysis findings effectively visualize and present data analysis findings, allowing veterinary professionals to access and search for information about individual cases.
- Collaborated with diverse teams, actively engaged with stakeholders, and communicated with them to understand whether project requirements and objectives were met.

Data Analyst, Cognizant Technology Solutions (Chennai, India) Apr 2019 – Dec 2021

- Experience performing effective data analysis, cleansing, retrieval, interpretation, and effective visualization using Python (pandas, numpy, matplotlib) and R programming. Experience in using large datasets to extract insights. Able to analyze and interpret complex business problems using data. Experience with salesforce administration.
- Experience using statistical techniques such as linear regression and generalized linear models to extract solutions from datasets. Able to work with cross-functional teams and also technical and non-technical stakeholders.
- Proficiently manipulated, transformed, and analyzed data using SQL. Strong SQL query writing skills, with Google BigQuery, for querying large datasets, and analysis. Experience with SQL for data manipulation. Experience using GitHub. Experience using Microsoft Azure DevOps. Knowledge of project management tools and techniques.
- Good working knowledge of Power BI and its features, and experience in creating dashboards and reports. Experience in using DAX functions. Knowledge of data visualization software (e.g. Tableau, PowerBI).

Programmer Analyst Trainee, Cognizant Technology Solutions (Chennai, India) Dec 2018 – Mar 2019

- Developed web applications using HTML, CSS, JS, and Java within a Struts Framework environment in code.
- Unit testing is used to validate the code. Experience with Python and R Programming.
- Successfully collaborated with team colleagues to ensure application delivery met client requirements.
- Strong proficiency in MS Office 365 suite, especially Microsoft Excel, PowerPoint, Word, SharePoint and Teams.

EDUCATION

Masters in Data Analysis for Business Intelligence [2:1] (Higher Education)

University of Leicester, Leicester, United Kingdom

Jan 2022 – July 2023

Modules Included: Mathematical Modelling | Linear Statistical Models | Generalized Linear Models | Fundamentals of Data Science | Data Mining and Neural Networks. |eSports

Bachelor in Electrical & Electronics Engineering (First Class with Distinction)

2016-2020

Jawaharlal Nehru Technological University Narasaraopet, India

Modules Included: Control Systems | Data Structures | Linear Integrated Circuits |Electronical Circuits & Analysis

Board of Intermediate Education Andhra Pradesh, India – A-Levels

2014-2016

Narayana Junior College, Andhra Pradesh, India

ACADEMIC PROJECTS

Data Analytics for Esports - University Project

Mar 2022 – Apr 2022

- Data of two variety genre games i.e., Pokemon Go game and Candy Crush game are taken from 'businessofapps' and analyzed and compared future revenue, users, and app downloads where stakeholders are benefitted.
- Presented insights through visualizations in power bi.

Analysis of UK Road Safety Data- University Project

Nov 2022 – Dec 2022

- Data extraction is done from 'Stats-19' road accidents for the city 'Newcastle' from the 'gov.uk' website.
- Utilized **R Studio** to analyze road accident data to identify accident-prone locations and times for Newcastle 2019 data. Utilized statistical analysis to extract insights for road safety improvement.

Search for Healthcare- Cognizant Project – (Chennai, India)

Dec 2020 – April 2021

- Developed user-friendly interface and search engine for healthcare services using **HTML, CSS & JavaScript, Java & Springboot**. Employed SQL to manage data and ensure smooth database connectivity.

TECHNICAL SKILLS

Data Analysis

- Python (pandas, numpy, matplotlib, scikit-learn)

Programming Languages

- Java
- C

DBMS

- MySQL (SELECT, JOINS, GROUPBY, WHERE etc)

Web Development

- HTML5
- CSS
- JavaScript

Data Visualizations

- Microsoft Power BI skill
- Tableau

Microsoft Suite

- Excel Skills (VLOOKUP, Macros, Pivot tables)
- Outlook, PowerPoint, SharePoint, PowerApps
- MS Office Package

Machine Learning

- Fundamentals and Techniques
- Clustering, Segmentation

SOFT SKILLS

- Excellent communication and interpersonal skills. Strong presentation skills.
- Excellent attention to detail and reconciliation, and good customer service skills.
- Adaptable to a flexible working environment. Strong project management and excellent collaboration skills.
- Good teamwork ability and collaborative approach. Excellent critical thinking and decision-making skills.

PUBLICATIONS

- Simulation for the Improvement of Power Quality by Reduction of Harmonics in the Distribution System with the Placement of a Unified Power Quality Conditioner (UPQC), [TWKa5r.pdf \(jartms.org\)](#)

CERTIFICATIONS

HTML | CSS | JavaScript | Java | Python Basics for Data Science | MySQL | MS Excel

VOLUNTEER EXPERIENCE & AFFILIATIONS:

1. Volunteered at a Blood Donation Camp and participated in the National Women's Empowerment Programme.
2. Organized and managed activities for a Techno-Cultural Fest VIDYUTH which took place from 21-23 December 2018, showcasing excellent coordination and communication skills
3. Student Member of the Institute of Electrical and Electronics Engineers (IEEE) since September 2018.

REFERENCES

- Available on Request